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ABSTRACT

This publication was prepared by the Order Division Automation Prcject staff to fulfill the Library of Congress' requirement to document all automation efforts. The report was originally intended for internal use only and not for distribution outside the Library. It is now felt that the library community at-large may have an interest in the contents of this report and may find it of value if they are contemplating the automation of their own bock ordering procedures. The Library is not prepared, however, to make available any other written documentation, computer program, program listing, program documentation, object or source decks, or tape that may have been generated in the course of developing this automated system, even it referred to in this document. Work on the Order Division Automated System has been divided into several tasks. Task 1 was concerned with the input and output of printed bibliographic products, such as purchase crders, dealer slips, order file slips, etc. Task 2 consisted of the development of a file management and control subsystem, which absorbed Task 1. This report describes the automated system as it exists upon completion of Task 2. (Author/NH)

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MARC Development Office

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1972

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FOREWORD

This publication was prepared by the Order Division Automation Project staff (Justin M. Kniemeyer, project head, Earl J. Ross, Thomas W. Synnott, and James D. Wood, programmers) to fulfill the Library of Congress' requirement to document all automation efforts. The report was originally intended for internal use only and not for distribution outside the Library. It is now felt that the library community at-large may have an interest in the contents of this report and may find it of value if they are contemplating the automation of their own book ordering procedures.

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Work on the Order Division Automated System has been divided into several tasks. Task 1 was concerned with the input and output of printed bibliographic products, such as purchase orders, dealer slips, order file slips, etc. Task 2 consisted of the development of a file management and control subsystem, which absorbed Task 1. This report describes the automated system as it exists upon completion of Task 2.

The project team in the MARC Development Office gratefully acknowledges the assistance of the Order Division staff, particularly Mrs. Jennifer V. Magnus and Mrs. Sandra Baumgardner, in their efforts to make this automated system responsive to the needs of their division.

I. INTRODUCTION

This document is a summary description of the Order Division Automation Project at the Task 2 level. This report is complete, including all Task 1 activities as well as Task 2 activities, because those activities included in Task 1 can no longer be performed separately from those activities added for Task 2. This report provides information concerning the Order Division Automated System as it has been operating since May 1, 1972 and until the next task becomes operational. Prior knowledge of Task 1 operations is not required to understand this report.

A. Scope of Task 2

Task 2 of the Order Division Automated System automates the preparation and printing of regular and new continuation orders, establishes and maintains various computer files containing data to assist in order preparation and placement as well as providing supplemental information for Order Division reports, and establishes a permanent computer file of all orders placed. Printed computer products of Task 2 are Purchase Orders, Dealer Slips, Order File Slips, Reports to Recommending Officers, Process Information File Records, Encumbrance File Records, In-Process Lists, Order Status Change Reports, Archive Listings, System Table Listings, Delayed Processing Reports, Order Cancellation Slips, Order Follow-Ups, Vendor Directory Listings, and Diagnostic messages. Punched computer products are Encumbrance cards and Process Control cards. Three files are permanently maintained in

computer disk storage. They are: the Preliminary Bibliographic File (PBF) of orders placed; Directory File of vendor and ship-to-names and addresses; and the System Tables File consisting of eighteen (18) functionally separate tables. (See Section II H)

Two on-line operations are used by the system. New order and order correction data and certain file update data are collected on-line utilizing IBM 2741 terminals and the Administrative Terminal System (ATS). IBM 1030 Data Collection terminals are used on-line to collect current status/location data for any individual order. This data is stored in a file in the Customer Information Control System (CICS) and later used to update the PBF.

B. System Description - Summary

New order information is typed daily on IBM 2741 Selectric Typewriter Terminals that are on-line to the ATS which operates during working hours on the Library's IBM 370/155 computer. Update and correction data for the system files and tables are also keyed into the ATS. The ATS provides the terminal operators in the Order Division with extensive text editing capabilities that enable them to make on-line corrections to keyed data before submitting the data to Order Division programs for processing.

The keyed data are dequeued daily from ATS storage to magnetic tape. This magnetic tape file becomes the input to the Order Division programs. The Input Processor programs accept the ATS data and format them into usable in-process records. The File Processor programs accept records from the Input Processor, create, update, and check file records and format in-process records for the Output Processor. The Output Processor programs format and produce various products according to specifications received in the in-process records from the File Processor. (A complete discussion of system processing steps is found in Section II.)

Data collected on-line by the IBM 1030 Data Collection terminals are used to update PBF records for individual orders. Through the data collected from the 1030 terminals, the system is able to monitor the progress of each order as it proceeds from being on order to received and paid. A complete history is maintained in the PBF for each order. This history will become valuable for management information and statistical purposes.

C. Deviations From Original Development Plan

Two major changes have been made in the original development plan which was outlined in "Automation of the Order Division: Design Report" (Information Systems Office, August 20, 1969). The first change was in the project schedule and the second in the computer equipment requirements.

When the published deadlines could not be met under the schedule originally established, it was decided to further subdivide the development work into more manageable tasks that could be implemented independently, in turn, to provide some automated assistance to the Order Division at the earliest possible time and to allow an orderly transition from manual to automated operation. Phase I now contains four tasks, the first two of which are operational. Task 1 is documented in the First Supplement to the Design Report and Task 2 in this report. Task 1 included order preparation, while Task 2 adds file maintenance and process control. Task 3 will include fiscal processing and Task 4 will provide file maintenance and process control for continuations and blanket orders. A development schedule for each task is issued at the beginning of work on the task. At that time it is possible to give more realistic estimates of development effort based on detailed work specifications.

The second major development change was in the choice of devices for inputting the basic order and fiscal data. The first of these affected Task 1. The Design Report included a recommendation,

based on a preliminary investigation of input devices, that the IBM MT/ST be used for input of order data. The choice at that time was constrained by computer availability for off-line input only of this data. In the fall of 1969, the Administrative Terminal System installed for the Legislative Reference Service on the Library's IBM 360/40 was expanded to allow for more terminal users. Since use of the ATS is comparable in cost to the MT/ST, and yet offers a number of additional advantages, the choice of the MT/ST was reevaluated. This reevaluation occurred only because ATS was available and was being supported primarily by another group in the Library. The ATS alternative was chosen for its increased editing capabilities, wider variety of potential uses in the Order Division, and greater convenience of use.

The preliminary investigation of input devices conducted for the design report resulted in the recommendation to use the Burroughs L2000 for processing of fiscal data. A subsequent in-depth investigation of the Burroughs L2000 showed that a programmer would have to be extensively trained to program the machine to perform the operations required of it, and that the capabilities were limited by a low capacity for instructions and tables. It would have required a substantial investment in staff maintenance and would still have been off-line with little possibility of being upgraded to on-line. With the possibility of on-line computer time becoming available for Order Division use on the Library's second computer, the Burroughs L2000 was reevaluated. The IBM 1050, which provides card reading and punching capabilities along

with keyboard input either on-line to the computer or off-line in "home loop" mode, represented the most flexible alternative to the Burroughs L2000. The IBM 1050 system was selected because it would satisfy our requirements and be compatible with existing and planned computer equipment at the Library.

II. TASK 2 DESCRIPTION

A. Order Preparation System

1. Processing Steps

Figure 1 depicts the processing steps in the Order Preparation Section (OPS) of the Order Division required to obtain the desired order outputs and files. Detailed input procedures for the Order Preparation Process are documented separately. This section indicates only the major processing steps. Documents referred to are listed in another section of this report (beginning on page 25). The cycle of the processing steps shown in figure 1 is daily.

The Order Preparation process is initiated with the receipt in the Order Preparation Section of a Recommendation for Purchase (Form LC 66-57 (5-70)). Purchase Recommendations are completed and forwarded to OPS by Recommenders in the recommending divisions. The initial Order Preparation processing steps are taken by an OPS Editor who edits the forms, by coding, augmenting, and transferring Section I information to the appropriate spaces in Section II of the form, since the input typist will key only Section II.

The edited recommendation forms are then keyed by an ATS Input Typist on an IBM 2741 terminal in the Order Division. During this keying operation, an Order Proof Copy of the recommendation is typed at the terminal as the recommendation data are transferred to ATS on-line disk storage.

ORDER PREPARATION SYSTEM

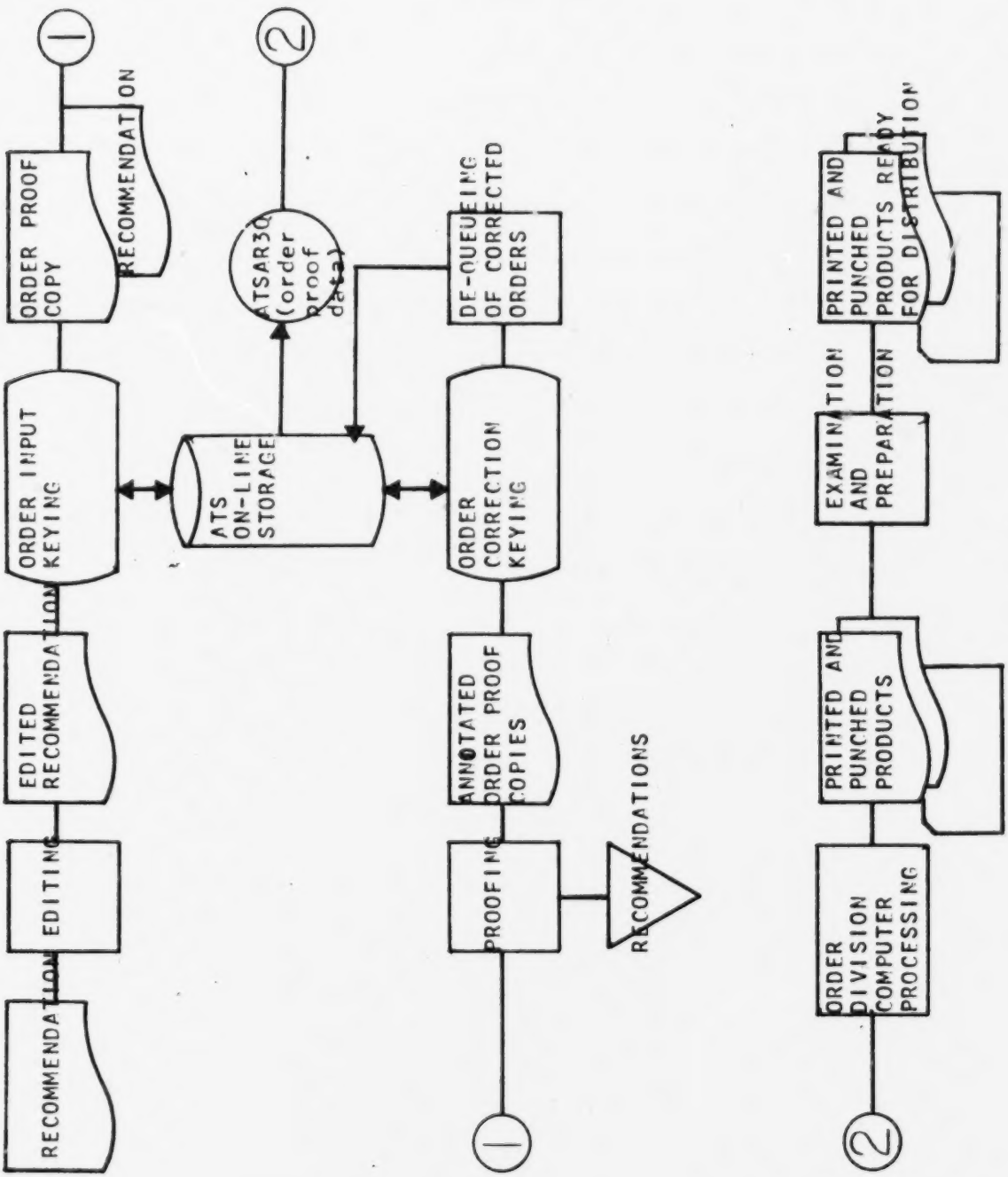

figure 1

The Order Proof Copy and the edited Purchase Recommendations are returned to the Editor in OPS for proofing and possible correction. Edited Purchase Recommendations that were keyed correctly are filed in a Recommendations File while those processed in error are corrected and annotated on the appropriate Order Proof Copy. Corrections are keyed from the annotated Order Proof Copy by an ATS Input Typist and the corrected order information is transferred to ATS on-line storage. Daily, the ATS order information is transferred ("de-queued") onto magnetic tape in the ATS archive format. The ATS archive tape becomes the basic input file for the Order Division computer processing which takes place overnight.

Printed and punched computer outputs are forwarded to OPS the following morning for review, interpretation, and distribution.

B. Input Processor System

1. Processing Steps

The flow of data through the Input Processor step of the Order Division Processor is illustrated in figure 2. In general the Input Processor performs as a monitor and supervisor of data entering the System. The data is checked for validity and content before being sent to other parts of the System for further processing.

User-constructed System Control Cards are used to select specific desired outputs. These cards are first converted to an internal format record and then dispatched to the File Processor step via IPSORTQ1 or the Output Processor step via OPSORTQ1 as required.

The ATSAR3Q tape file of dequeued ATS data is read into the System next. This data may consist of new orders, changes to existing orders, Directory File updates, and/or System Tables File updates. Each record is stripped of its ATS control characters, the record format is checked for validity and the record is dispatched to an appropriate programmed edit module. During this operation all new orders are automatically assigned order numbers from the Number Block Table in the System Tables File.

The edit modules check the various fields in the record for format and content. The record is then converted to an internal format record and stored for further processing by the File Processor step. If any error in a record is detected by the Input Processor programs, that record and an accompanying diagnostic message are stored for printing by the Output Processor step.

INPUT PROCESSOR SYSTEM

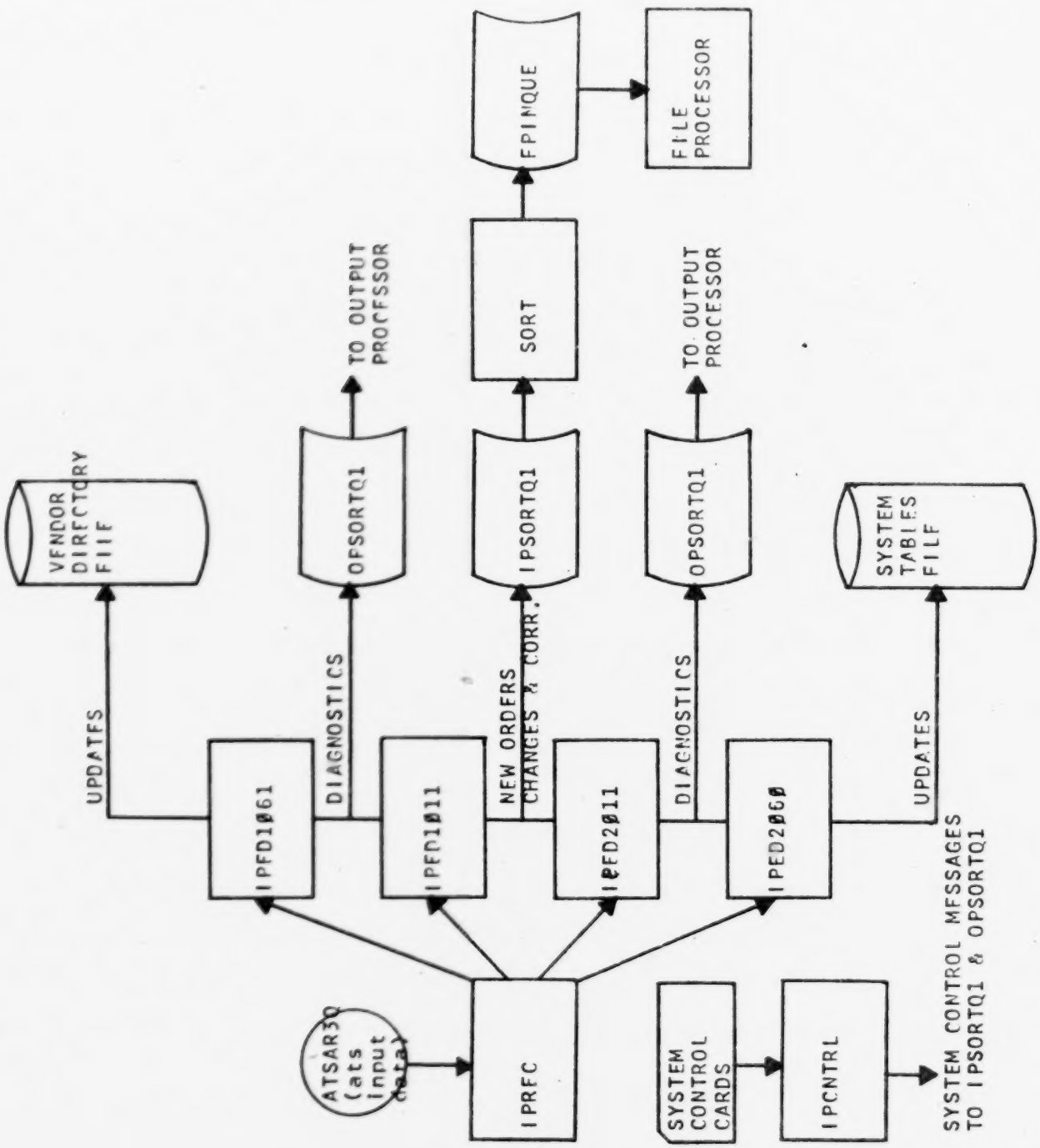

figure 2

C. File Processor System

The functions of the File Processor System are to update all permanent files, except for the Vendor Directory File and System Tables File, and to produce the desired messages for the Output Processor System.

1. Processing Steps

Messages, or records, passed to the File Processor System from the Input Processor System and the on-line updating system are called transaction records. These transaction records may consist of new orders, updates to existing orders, status/location updates or System control messages. The transaction records are placed on IPSORTQ1 and JDWSORT2 by the Input Processor System and the on-line updating System respectively. The records in these two files are sorted together and passed to the FPINQUE. Each sorted transaction record on FPINQUE relays the following information to the File Processor System:

a. Which file is to be updated

b. Which record in the file is to be updated

c. What type of updating is to be performed

The transaction records are received in the File Processor System by the program FPANALY, which analyzes each transaction in turn and acts as a supervisor by determining that each transaction record is processed properly. Other programs within the File Processor System are called by FPANALY to perform the processing. FPFILES is called to access the appropriate file and record within the file. FPRMIX is called to perform all file updates, adding of new records to the file

and to place in a queue certain messages for the Output Processor System. FPREVIX is called to place, on the output queue, messages according to the optional system control messages. The output queue is examined by FPEXT which formats the output messages. Program FPDISP assigns sort tags to the output messages, calling FPME as needed to construct abbreviated author/title fields, and dispatches the messages to the Output Processor System via OPSORTQ2. When all transaction records received from FPINQUE have been processed and all output messages, including error diagnostics, have been dispatched to OPSORTQ2, the Output Processor System takes control.

The File Processor System step of the Order Division Automated System is illustrated in figure 3.

FILE PROCESSOR SYSTEM

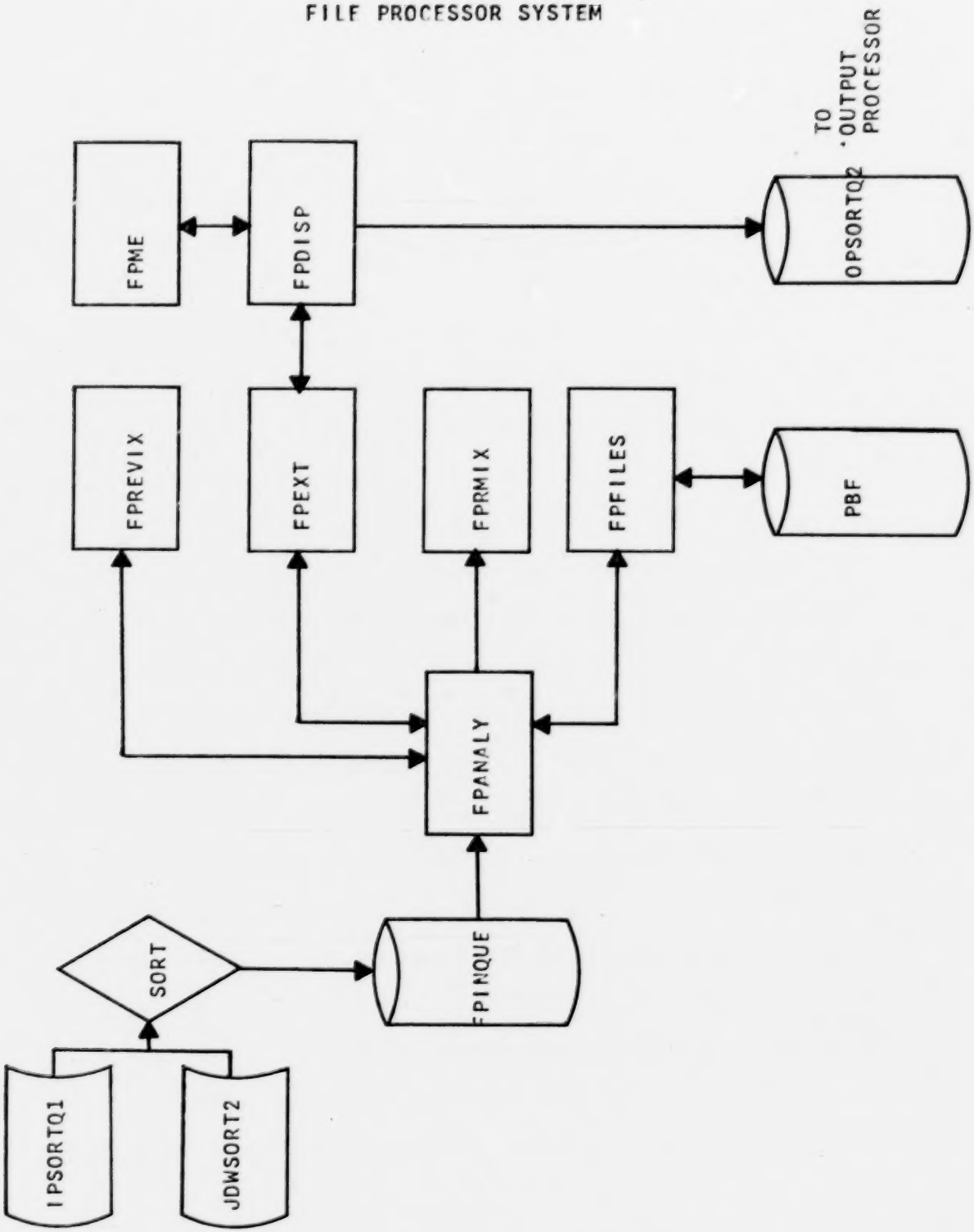

figure 3

D. Output Processor System

The function of the Output Processor System is to format in-process records into final printed and punched records and to produce desired outputs from the system. The output records are spooled on tape and processed by jobs LCPRINT and POD2PØ1D at a later time.

1. Processing Steps

The initial processing step in the Output Processor System is the sorting of files OPSORTQ1 and OPSORTQ2 by the OS SORT program. The sorting of these records is by a sort key, which is stripped in the final merge phase of the sort, and the sorted output records are placed on a temporary disk file called OPINQUE.

The OPINQUE file contains in-process records in sequence by a record indentification number that determines which output edit program will process the record. Each record on the file contains all of the necessary data fields for display in the appropriate output.

The flow of processing in the Output Processor System is directed by program OPMON. OPMON reads the OPINQUE file and determines which of the individual output edit programs will be called to format each group of records on the OPINQUE into final output form. OPMON then passes control to the individual edit program to process either one individual record on the OPINQUE or an entire file such as the System Tables File or the Vendor Directory File.

The function of each individual output edit program is described in Section II H, Summary of Computer Programs. However, each

edit program: (1) formats in-process records from the OPINQUE, SYSTEM TABLES, or VENDOR Directory into records for direct printing and punching; (2) calls program OPTRANS to place the latter records on the PRINTQ tape or the PUNCHQ tape; and (3) returns control to OPMON when its processing is complete for each record received from OPMON.

When OPMON encounters records for the PUNCHQ, it places appropriate JCL statements on the JCLPCH tape. The JCLPCH tape is used by JOB POD2PØ1D to punch PUNCHQ records into Process Control Cards and Encumbrance Cards.

The PRINTQ tape records are read by JOB LCPRINT and printed on the appropriate output form.

The OUTPUT PROCESSOR SYSTEM processing steps are illustrated in figure 4.

OUTPUT PROCESSOR SYSTEM

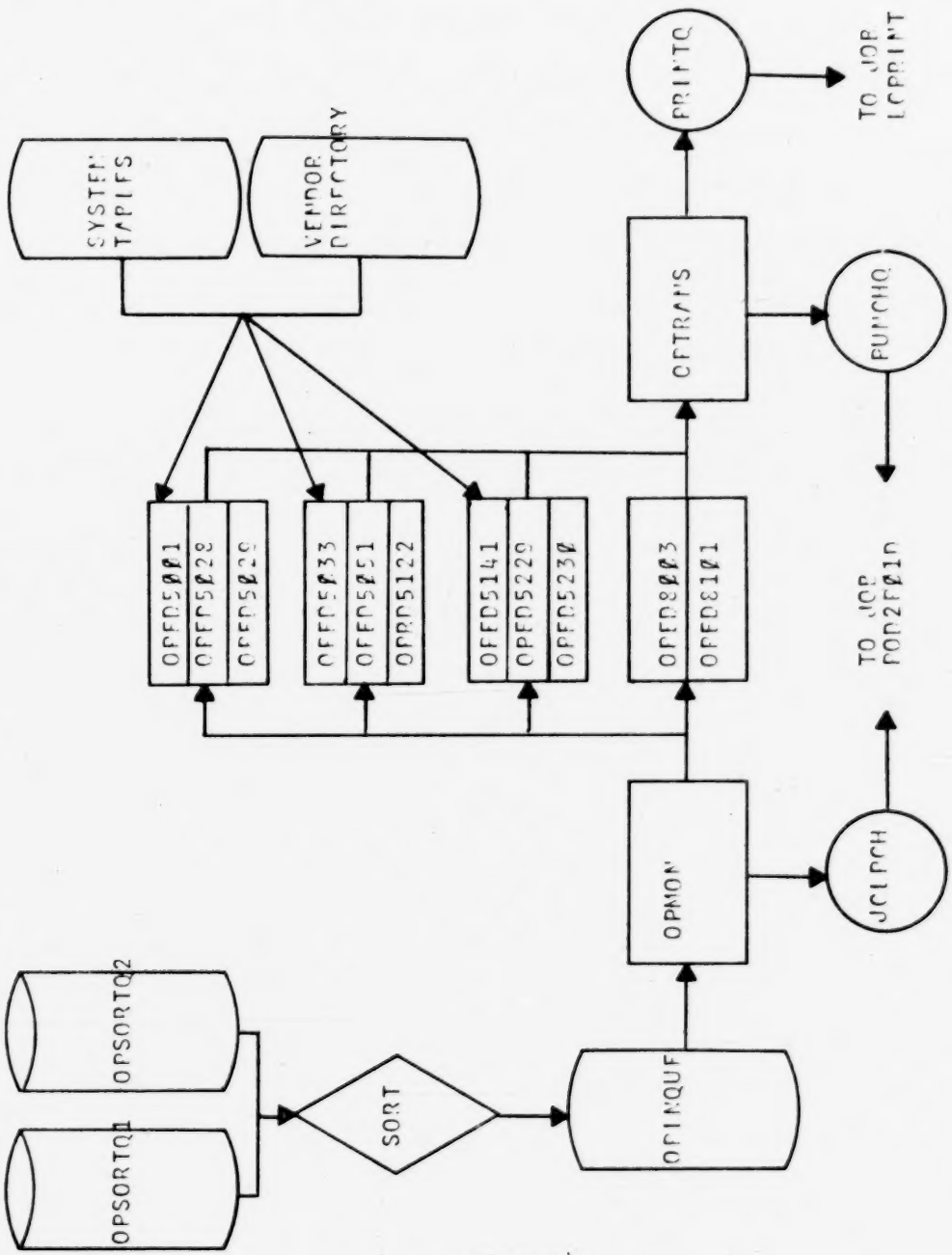

figure 4

E. Order Receiving System

1. Processing Steps

When ordered material is received by the Order Division, pre-punched Process Control Cards (PCC) are retrieved from the Process Control Card File and used to report the receipt of the order to the System.

For regular orders the processing steps illustrated in figure 5 are followed.

The material is received and if the order number is known, the correct PCC is retrieved from the PCC file. If the order number is not known, a current In-Process List is searched to determine the order number. A "received" status is reported to the PBF by inserting the PCC in an IBM 1031 terminal. The material is then processed as usual with any subsequent status changes being reported to the PBF via the IBM 1031. When processing of the material has been completed, a status of "802" is reported to the PBF, the PCC is discarded and the material is forwarded from the Division. The material has then completed its processing cycle and will be removed from the PBF and placed in an Archive PBF after four weeks.

There are several exceptions to the regular order processing described above. They are "covering" purchase requisitions, Section X materials and partially filled orders. The processing steps for these orders are illustrated in figure 6. The material is received and if the order number is known the correct PCC is retrieved from the PCC file.

If the order number is not known, a current In-Process List is searched to determine the order number. If the order is incomplete, the Order File Slip is updated to show the number of items remaining outstanding. A "Hold" status is then reported to the PBF and the PCC is returned to the Process Control Card File. The material is processed as usual except that a status "802" is not reported to the PBF. When the order is complete, processing continues as described for regular orders.

STATUS REPORTING PROCEDURES

REGULAR ORDERS

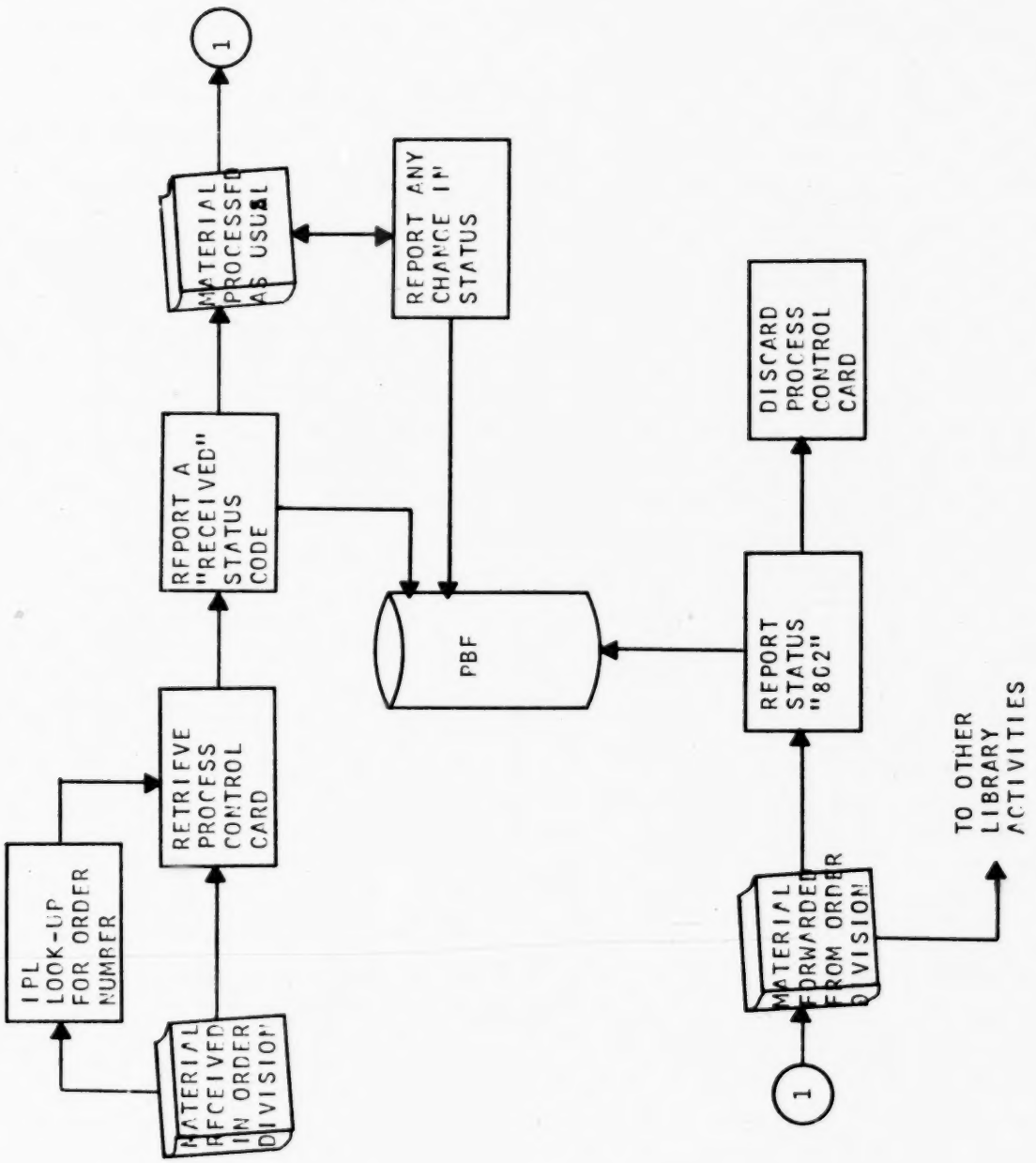

figure 5

STATUS REPORTING PROCEDURES

COVERING PR'S-SECTION X-PARTIALLY FILLED ORDERS

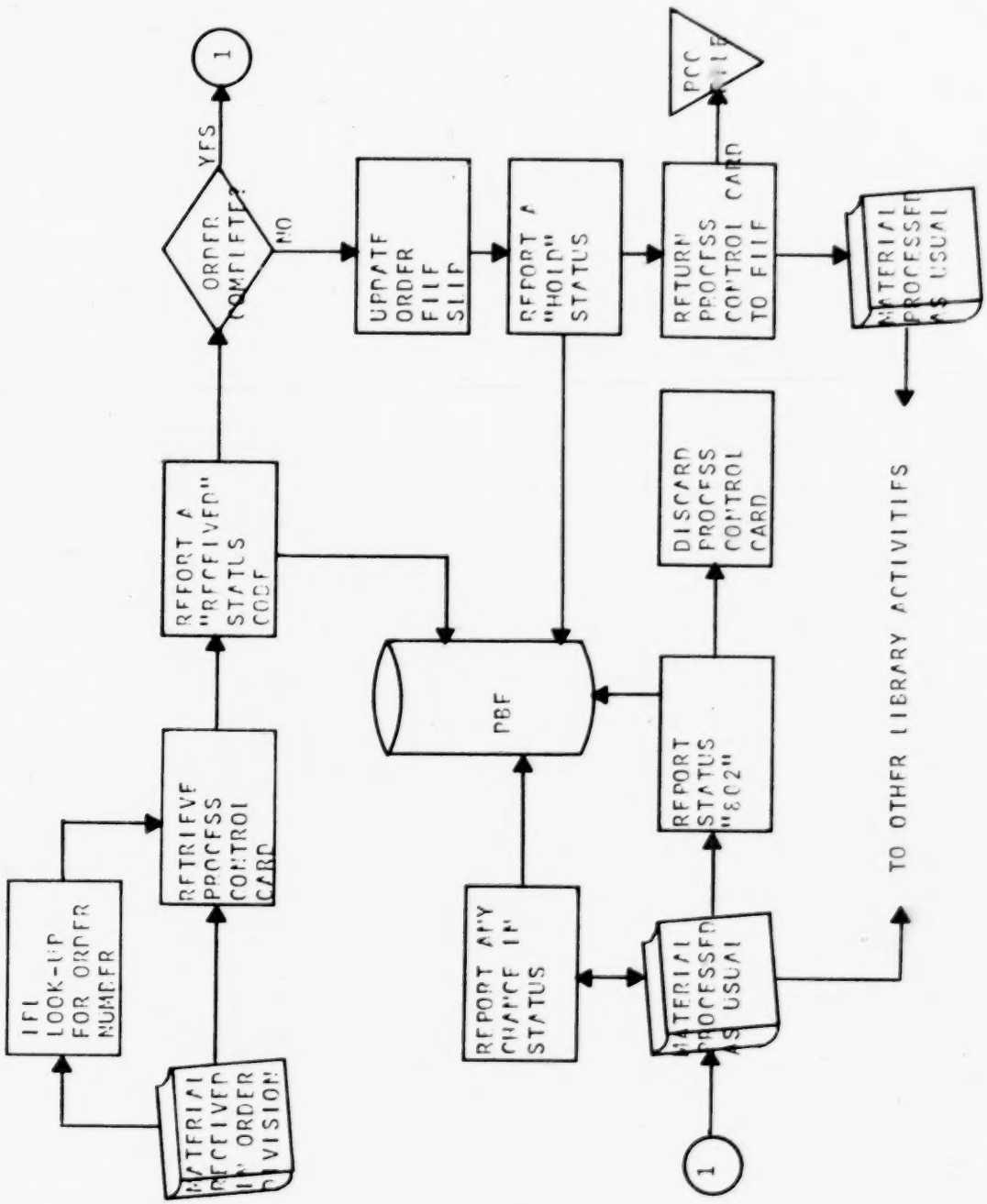

Figure 6

F. On-line Updating System

1. Processing Steps

Reporting a change in an order's status or location is done through an on-line data collection system. The flow of data for status/location changes is illustrated in figure 7.

A Process Control card is punched by the System as part of the ordering process. The Process Control Card is placed with the ordered material when it arrives at the Library. The Process Control Card remains with the material as long as it is in-process in the Order Division. The status/location of an order is changed by using the Process Control Card to report data to the System through an on-line IBM 1031 Data Collection terminal.

A Process Control Card is inserted in an IBM 1031 terminal to initiate recording a new status/location for an order. This action creates a message which is accepted by a programmed application operating on-line within the Customer Information Control System (CICS). This message is converted into an internal format and stored within CICS for overnight batch processing by the File Processor step.

ON-LINE UPDATE SYSTEM

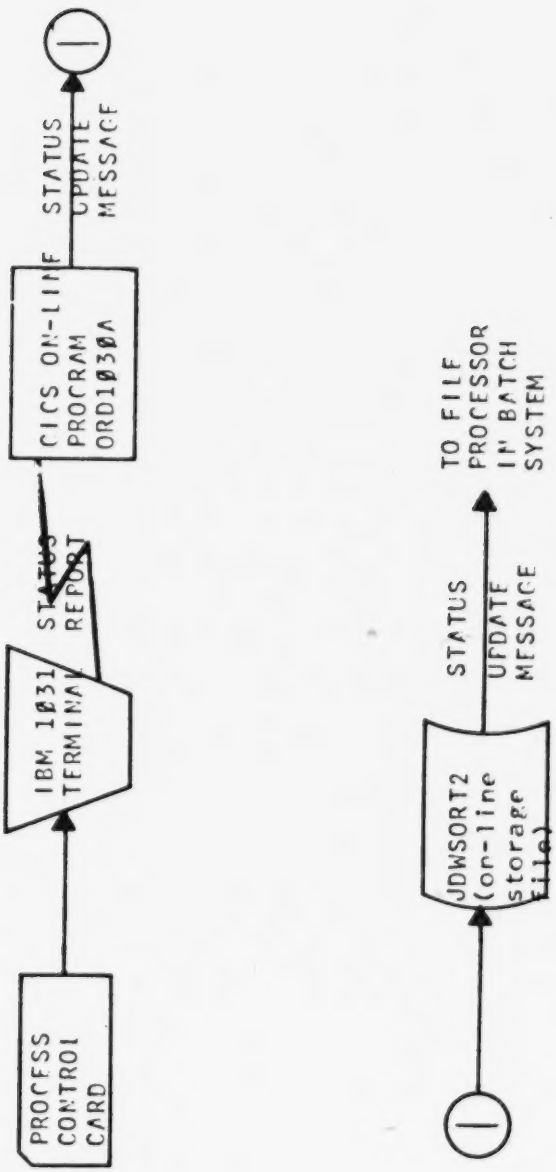

figure 7

G. Sample Input and Output Documents

	Page
Recommendation For Purchase	26
Order Proof Copy	27
PBF Update Form	28
Order File Slip	29
Encumbrance File Copy	30
Dealer Slip	31
Order Follow-Up (Claim)	32
Order Cancellation	33
Purchase Order	34
Order Status Change Report	35
Weekly In-Process List - Order Number	36
Weekly In-Process List - Author/Title	37
Weekly In-Process List - Title/Author	38
Daily In-Process List - Order Number	39
Daily In Process List - Author/Title	40
Daily In-Process List - Title/Author	41
Cumulative Monthly Archive Report	42
Cumulative Annual Archive Report	43
Delayed Processing Report-Books-Jogging List	44
Delayed Processing Report-Books-Materials (Received and Not Yet Paid)	45
Delayed Processing Report-Books-Materials (Paid and Not Yet Received)	46
Vendor Name and Address List	47
Supplemental Vendor Name and Address List	48
Vendor Cross-Reference List	49
Ship-To Name and Address List	50
Process Control Card	51
Encumbrance Card	52

TO ORDER DIVISION · FROM DIVISION RECOMMENDED BY APPROVED BY DATE

COMPLETE SECTION I AND TYPE INFORMATION FOR STARRED ITEMS IN SECTION II SEARCHED? WHERE

WHO & WHEN

SECTION I

RECOMMENDATION FOR PURCHASE

DO NOT ACCESSION ☐ DO NOT PROCESS ☐ SUBSCRIPTION DESIRED ☐ FUND

NOTIFY RECOMMENDER WHEN RECEIVED ☐ UNLESS ☐ NOTWITHSTANDING ☐

SECTION II 4046R01

	1							
	JWH		350					
			A		1			
	ELSVNG						012	
	G		31A		35			
					37.50			

VOLUME * EDITION *

PLACE * PUBLISHER * YEAR * 1972 PRICE *

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CATALOGING PRIORITY | PHYSICAL MEDIUM A | CURRENT NON-CURRENT INDICATOR 1 | ACCESSION STAMP SWITCH | EXTENDED ORDER NUMBER | FREQUENCY

VENDOR CODE ELSVNG | VENDOR INSTRUCTION CODE | SHIP TO ADDRESS | LC CORRESPONDENCE ADDRESS | CLAIM TIME 012

APPROPRIATION CODE G | ALLOTMENT SYMBOL 31A | ASSIGNMENT 035 | SUB-ASSIGNMENT | OBLIGATION SUPPRESS SWITCH

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Preliminary Bibliographic File Updates

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Key: /HEADER2011 CR CR

Key: 0004902 T (UPDATE) DISPLAY DELETE T
(Machine Order Number)

☐ Fund/estimated cost change. Forward to Invoice Unit. Completed Inv. U _____ (init. & date)

☑ Forward to Inspn. Unit. Records Annotated Jmk (init. & date)

☐ Forward to Continuations Unit. Records Annotated _____ (init. & date)

Key Data i.d.'s as indicated

	54- 3	LC CLASSIFICATION	122-	CODE	21-	OLD ORDER NUMBER	76-		126-	LC CARD NUMBER	46-
	68-	COUNTRY	128-	LANGUAGE	48-	REPRINT SWITCH	53-	ORDER DUPLICATE SWITCH	57-	NATIONAL BIBLIOGRAPHY NUMBER	52-
CATALOGING PRIORITY	17-	PHYSICAL MEDIUM	62-	CURRENT/ NON-CURRENT INDICATOR	27-	ACCESSION STAMP SWITCH	1-	EXTENDED ORDER NUMBER	123-	FREQUENCY	39-
VENDOR CODE	92-	VENDOR INSTRUCTION INDICATOR	94-								
FUND	127-			SHIP TO CODE	79-	CORRESPONDENCE CODE	47-	CLAIM TIME	20-		
BIBLIOGRAPHIC FORMAT	13-	CURRENCY	25-	ESTIMATED COST	37-	MCR APPROPRIATION CODE		MCR UPDATE CODE			

VOLUME * 99-

EDITION * 35-

PLACE * 64-

PUBLISHER 66-

YEAR * 43-

AUTHOR * 12-

TITLE * 90- 1972 Annual Report

SERIES * 77-

COMMENT * 22-

66-70 (6/72)

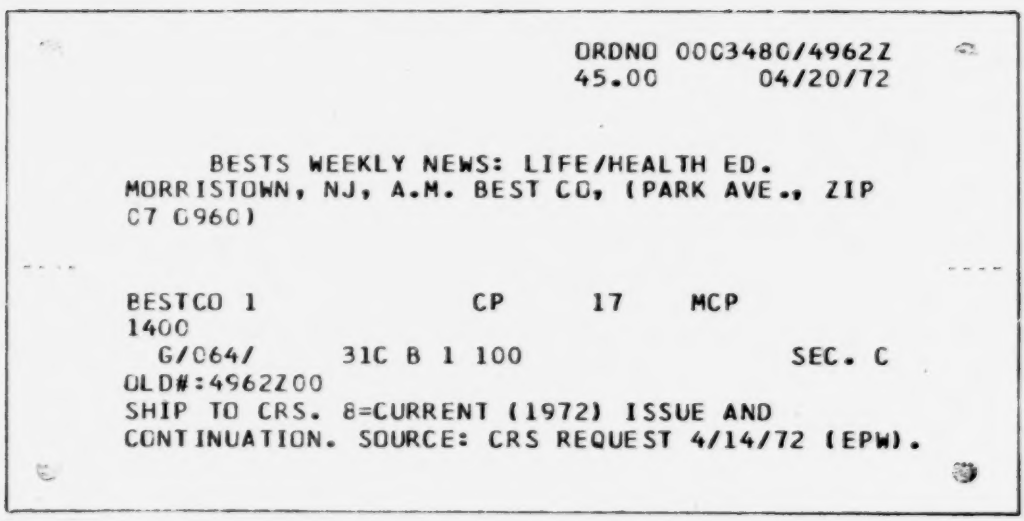
PBF UPDATE FORM

INSTRUCTIONS

1. Route all updates through AOS.
2. Update only one entry per form.
3. Tabs must separate each data i.d.
4. Deletions may not be made for the following data i.d.'s: Title, Estimated Cost, Fund, Machine Order Number Physical Medium.

Page 2 of 2

ORDER FILE SLIP



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THE LIBRARY OF CONGRESS
SECTION A, ORDER DIVISION (0003499/3438P0)
WASHINGTON, D.C. 20540

Always refer to THIS Order Number

KRITZINGER, M.S.B. AND H.A. STEYN
SKOOLWOORDEBOEK. AFRIKAANS-ENGELS, ENGLISH-AFRIKAANS. PRETORIA 0, SOUTH AFRICA, J.L. VAN SCHAIK, 1970. (BEPERK, PRETORIA)

DATE 05/01/72

CENTAS

ADDRESS MATERIAL TO:
ADDRESS ABOVE

Please enclose this ORDER SLIP in material supplied, or return it promptly explaining failure to supply on verso.

66 30A (5/70)

ORDER FOLLOW-UP

ADDRESS all bills and correspondence to:

THE LIBRARY OF CONGRESS
ORDER DIVISION ( )
WASHINGTON, D.C. 20540

Always refer to THIS Order Number

DATE

XADDRESS MATERIAL TO:
WILLIAM H. SMITH & SON (CANADA)
LTD
113 MERTON ST.
TORONTO 7, CANADA

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66 30A (5/70)

ADDRESS all bills and correspondence to:

THE LIBRARY OF CONGRESS
ORDER DIVISION (0003575/4094R01)
WASHINGTON, D.C. 20540

Always refer to THIS Order Number

******* THIS IS CLAIM ONE FOR MATERIAL ORDERED 05/01/72 & NOT RECEIVED *******

CANADA. DEPT. OF INDUSTRY, TRADE AND COMMERCE
THE BOOK PUBLISHING AND MANUFACTURING INDUSTRY IN CANADA:A STATISTICAL AND ECONOMIC ANALYSIS. MONTREAL, ERNST & ERNST, 1971.

DATE 05/01/72

SMITWH

ADDRESS MATERIAL TO:
ADDRESS ABOVE

CLAIM

Please enclose this ORDER SLIP in material supplied, or return it promptly explaining failure to supply on verso.

66 30A (5/70)

ORDER CANCELLATION

ADDRESS all bills and correspondence to:	THE LIBRARY OF CONGRESS ORDER DIVISION (WASHINGTON, D.C. 20540	) Always refer to THIS Order Number

DATE

~~ADDRESS MATERIAL TO~~

MCGRAW-HILL BOOK COMPANY
BOX 404
HIGHTSTOWN, N. J. 08520

~~Please enclose this ORDER SLIP in material shipped, or return promptly explaining failure to supply on reverse.~~

66-30A (5/70)

ADDRESS all bills and correspondence to:	THE LIBRARY OF CONGRESS ORDER DIVISION (0003571/4090R01) WASHINGTON, D.C. 20540	Always refer to THIS Order Number

********** CANCEL OUR ORDER DATED 05/09/72 FOR THE FOLLOWING MATERIAL **********

2 COPIES

HUTCHINSON, LOIS IRENE
STANDARD HANDBOOK FOR SECRETARIES. LATEST EDITION.
NEW YORK, N.Y, MCGRAW-HILL BOOK CO., INC, 1969.

DATE 05/09/72

MCGRWB

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~~Please enclose this ORDER SLIP in material shipped, or return promptly explaining failure to supply on reverse.~~

66-30A (5/70)

THE LIBRARY OF CONGRESS
ORDER DIVISION
WASHINGTON, D.C. 20540

PURCHASE ORDER

IMPORTANT
ORDER NUMBER MUST
APPEAR ON ALL
SHIPMENTS AND INVOICES

To: MARIO CASALINI
VIA G. LEOPARDI 4
50121 FLORENCE, ITALY

04/21/72 CASALI

PLEASE
See *CONDITIONS OF ORDER* on verso.
Supply ITEMS listed on attached slips.
Address PACKAGES as indicated above.
Prepare INVOICES according to *INSTRUCTIONS* on verso.
Address CORRESPONDENCE to Order Division citing appropriate order number.

66-30 (rev 5/70)

REPORT DATE 04/27/72 ORDER STATUS CHANGE REPORT PAGE 01

ORDER NUMBER	STATUS CODE	STATUS DATE
0001434	YFU	03/27/72
0001435	YFU	03/27/72
0001436	404	03/27/72
0001437	404	03/27/72
0001438	YFU	03/27/72
0001439	404	03/27/72
0001440	404	03/27/72
0001441	404	03/27/72
0001442	404	03/27/72
0001443	404	03/27/72
0001444	401	03/27/72
0001445	YFU	03/27/72
0001446	404	03/27/72
0001447	401	03/27/72
0001448	404	03/27/72
0001460	100	03/22/72
0001461	100	03/22/72
0001462	125	03/22/72
0001463	125	03/22/72
0001464	150	03/22/72
0001465	150	03/22/72
0001466	000	02/02/72
0001467	000	02/02/72
0001551	404	03/31/72
0001552	404	03/31/72
0001553	404	03/31/72
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0001560	404	03/31/72
0001562	YFU	03/31/72
0001563	YFU	03/31/72
0001564	YFU	03/31/72
0001565	YFU	03/31/72
0001566	YFU	03/31/72
0001567	404	03/31/72
0001568	404	03/31/72
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0001610	401	03/22/72
0001611	YFU	03/22/72
0001612	YFU	03/22/72
0001613	421	03/22/72
0001614	421	03/22/72
0001615	501	03/22/72
0001616	501	03/22/72
0001617	502	03/22/72
0001618	502	03/22/72
0001619	012	02/01/72
0001620	012	02/01/72
0001621	012	02/01/72
0001622	YFU	03/22/72
0001688	004	03/22/72
0001690	012	03/22/72
0001691	012	03/22/72
0001692	004	03/22/72
0001693	008	03/22/72
0001694	000	03/22/72
0001695	008	03/22/72
0001696	004	03/22/72
0001697	008	03/22/72
0001698	012	03/22/72
0001699	012	03/22/72
0001700	012	03/22/72
0001955	004	03/22/72
0001956	012	03/22/72
0001957	012	03/22/72
0001958	004	03/22/72
0001959	008	03/22/72
0001960	000	03/22/72
0001961	008	03/22/72
0001962	004	03/22/72
0001963	008	03/22/72
0001964	012	03/22/72
0001965	012	03/22/72
0001966	012	03/22/72
0002221	004	03/22/72
0002222	012	03/22/72
0002223	012	03/22/72
0002224	004	03/22/72
0002225	008	03/22/72
0002226	000	03/22/72
0002227	008	03/22/72
0002228	004	03/22/72
0002229	008	03/22/72
0002230	012	03/22/72
0002231	012	03/22/72
0002232	012	03/22/72

AUTHOR	TITLE	OLD ORD NUMBER	IMP YR.	ORDER NUMBER	V I	VENDOR CODE	FUND CODE	COST IN $	NO CP	STATUS CODE	STATUS DATE	REC CODE
BOSYI, VOLODYMYR	. VIACHESLAV LYPYNS'KYI, IDEOLOH UKRA	3185R33	951	0001567		UKRBO	G31A04014	2.25	1	404	03312	RVA
KACHOR, ANDRII	. UKRAINS'KA MOLOCHARS'KA KOOPERATIIA	3185R34	949	0001568		UKRBO	G31A04014	1.50	1	404	03312	RVA
(UKRAINIAN CANADIAN COMMIT.	ZBIRNYK MATERIIALIV I DOKUMENTIV U	3185R35	965	0001569		UKRBO	G31A04014	3.50	1	404	03312	RVA
(WORLD CONGRESS OF FREE UK.	PERSHYI SVITOVYI KONGRES VIL'NYKH U	3185R36	969	0001570		UKRBO	G31A04014	12.50	1	404	03312	RVA
CHUMER, VASYL'	. SPOMYNY PRO PEREZHYVANNIA PERSHYKH	3185R37	942	0001571		UKRBO	G31A04014	2.00	1	404	03312	RVA
KOHUS'KA, NATALIIA, COMP	. PERED BRAMOIU: NARYS ISTORII INSTYT	3185R38	969	0001572		UKRBO	G31A04014	3.50	1	404	03312	RVA
(PROSVITA)	. 100-RICHCHA MATERI "PROSVITY": NARY	3185R39	968	0001573		UKRBO	G31A04014	3.50	1	404	03312	RVA
IANDA, DARIIA (YANDA, DORI.	UKRAINS'KA ZHINKA NA USLUHAKH SVOHO	3185R40		0001574		UKRBO	G31A04014	2.50	1	404	03312	RVA
(INSTYTUT IM.PETRA MOHYLY..	IUVILEINA KNYHA 25-LITTIA UKKRAINS'	3185R41	945	0001575		UKRBO	G31A04014	3.00	1	404	03312	RVA
WORLD CONGRESS OF FREE UKR.	CAPTIVE UKRAINE CHALLENGE TO THE WO	3185R42	967	0001576		UKRBO	G31A04014	1.10	1	404	03312	RVA
KOSYK, VOLODYMYR	. CONCENTRATION CAMPS IN THE USSR	3185R43	962	0001577		UKRBO	G31A04014	1.50	1	401	03222	RVA
POLOWY, HANNAH	. LITTLE TARAS; THE STORY OF TARAS SH	3185R44	961	0001578		UKRBO	G31A04014	1.50	1	401	03222	RVA
GREGOROVICH, ANDREW	. UKRAINE, PLS',RUSSIA AND MUSCOVY; A	3185R45	971	0001579		UKRBO	G31A035	2.00	1	401	03222	RVA
BARYLIAK, O., COMP	. IAHILKY. 65 MELODII, PCVNI TEKSTY T	3185R46	969	0001580		UKRBO	G31A04014	1.50	1	401	03222	RVA
B= UKRAINIAN BOOK STORE KATALOH...1972, PAGE 177												
. BASIC PL/1 CODING - TEXT SR29-0111		3096R01		0001581		INTNBT	98R26E	25.20	3	401	03222	HDA
. BASIC PL/1 CODING - NOTEBOOK SR29-0112		3096R02		0001582		INTNBT	98R26E	4.50	3	401	03222	HDA
. BASIC PL/1 CODING - SUPPLEMENT SR29-0113		3096R03		0001583		******	98R26E	1.50	3	401	03222	HDA
. BASIC PL/1 CODING - HOW TO WRITE A BASIC PROGRAM SR29-0115		3096R04		0001584		******	98R26E	23.40	3	401	03222	HDA
. BASIC PL/1 CODING - NOTEBOOK AND PRACTICE PROBLEMS SR29-0116		3096R05		0001585		******	98R26E	13.50	3	401	03222	HDA
. BASIC PL/1 F CODING - TEXT SR29-0267		3096R06		0001586		******	98R26E	13.59	3	401	03222	HDA
. BASIC PL/1 F CODING - NOTEBOOK SR29-0268		3096R07		0001587		******	98R26E	9.00	3	401	03222	HDA
. S/360 ASSEMBLER LANGUAGE CODING - TEXT, FUNDAMENTALS OF ALC		3096R08		0001588		******	98R26E	3.00	1	401	03222	HDA
. S/360 ASSEMBLER LANGUAGE CODING - TEXT, SYSTEM REVIEW SR29-0		3096R09		0001589		******	98R26E	3.00	1	401	03222	HDA
. S/360 ASSEMBLER LANGUAGE CODING - TEXT, STANDARD AND DECIMAL		3096R10		0001590		******	98R26E	4.90	1	401	03222	HDA
. S/360 ASSEMBLER LANGUAGE CODING - TEXT, APPENDIX SR29-0233		3096R11		0001591		******	98R26E	1.60	1	401	03222	HDA
. S/360 ASSEMBLER LANGUAGE CODING - SAMPLE PROGRAM SR29-0234		3096R12		0001592		******	98R26E	1.00	1	401	03222	HDA
ALLOTT, ANTHONY	. THE AKAN LAW OF PROPERTY	0254R01		0001593		CENRES	G31A04003	9.00	1	401	03222	JWW
RODELICO, NICCOLO	. STORIA DEL PARLAMENTO ITALIANO	3097R01	971	0001594		LATERZ	G31A035	17.00	1	401	03222	
LYBERIUS, A	. LIETUVIU-RUSU KALBU ZODYNAS	3119R01		0001595		ABELAA	01231A	7.50	1	401	03222	HWC
. DUKLIA		3081R01		0001596		UKRKNY	G31A035	15.00	1	401	03222	RVA
. NOVE ZHYTTIA		3081R02		0001597		UKRKNY	G31A035	7.80	1	401	03222	RVA
BUNGUL, NUREDDIN RUSTU	. ESKI ESERLER ANSIKLOPEDISI	3055R01	939	0001598		BIBTIS	G31A04009	6.00	1	401	03222	GA
. CUMHURIYETTEN ONCE VE SONRA VAKIFLAR		3055R02	937	0001599		BIBTIS	G31A04009	5.75	1	401	03222	GA
. NASHA DAN' BESTUZHESKIM KURSAM; VOSPOMINANIIA BYVSHIKH BESTU		3051R01		0001600		******	G31A035	6.50	1	401	03222	RVA
. KAAFA: JOURNAL OF THE SOCIETY OF LIBERIAN AUTHORS		4706700		0001602		COLEAY	G31C060	1.00	1	401	03222	JWW
B= VOL. 1, # 1 AND CONTINUATION												
. TORCH: NEW LIBERIAN MONTHLY MAGAZINE		4711700		0001603		COLEAY	G31C060	.75	1	401	03222	JWW
B= VOL. 1 # 1 AND CONTINUATION												
WOODS HOLE, MASS. MARINE B.	CATALOG OF THE LIBRARY OF THE MARIN	1593R01	972	0001604		HALLGK	G31A02C	750.00	1	401	03222	CHC
HENRIES, DORIS BANKS, FT A.	THE NEW LIBERIAN WRITING	2774R01		0001605		COLEAY	G31A035	4.00	1	401	03222	JWW
SIRLEAF, VARSEY	. LOVE IN EBONY	2774R02		0001606		COLEAY	G31A035	12.00	1	401	03222	JJW
FRANK, BILL	. THE PRIDE OF LIBERIA	2774R03		0001607		COLEAY	G31A035	1.50	1	401	03222	JWW
HANNAH, JOHN	. MR. SPEAKER HENRIES (BOOKLET)	2774R04		0001608		COLEAY	G31A035	.50	1	401	03222	JWW
COOPER	. NOTES ON THE LIBERIAN NATIONAL ANTH	2774R05		0001609		COLEAY	G31A035	1.50	1	401	03222	JWW
. PROGRAM; NEWS OF COMPUTERS IN LIBRARIES		3048R01		0001610		******	98R26F	18.00	1	401	03222	HDA
B= MAIL DIRECT TO: LIBRARY OF CONGRESS, MARC DEVELOP. OFFICE, RM. A1035, WASHINGTON, D.C. 20540												
. JOURNAL OF DOCUMENTATION		3048R02		0001611		******	98R26F	31.00	1	YFU	03222	HDA

AUTHOR	TITLE	OLC ORD NUMBER	IMP YR.	ORDER NUMBER	V I	VENDOR CODE	FUND CODE	COST IN $	NO CP	STATUS CODE	STATUS DATE	REC CODE
GOLDSMITH, JOHN .	THE WORLD OF CHILDREN	4234R01	972	0002221		******	G31A04014	10.00	10	C04	C3222	RVA
VENDOR INSTRUCTIONS= 2,4,8=LARGE PRINT EDITION												
GOLDSMITH, JOHN .	THE WORLD OF CHILDREN		972	0001689		******	G31A04014	10.00	10	C04	C3222	RVA
GREGOROVICH, ANDREW .	UKRAINE, RUS',RUSSIA AND MUSCOVY: A	3185R45	971	0001579		UKRBO	G31AC35	2.00	1	401	03222	RVA
GRITCHENKO, ALEXIS .	ROKY BURI I NATYSKU: SPOHADY MYSTYS	3185R19	967	0001552		UKRBO	G31AC4C14	2.25	1	404	03312	RVA
HALAN, ANATOL' .	ROZMOVA Z MYNULYM: SPOVIDANNIA	3065R02	971	0001613		UKRBO	G31A035	3.00	1	421	C3222	RVA
HAMILTON, BOB AND MARY RAM.	THE PAPER BIRD	3176R01	971	0001443		******	G31AC35	80.00	1	404	C3272	BRTR
HANNAH, JOHN .	MR. SPEAKER HENRIES (BOOKLET)	2774R04		0001608		COLEAY	G31A035	.50	1	401	03222	JWW
HENRIES, DORIS BANKS, ET A.	THE NEW LIBERIAN WRITING	2774R01		0001605		COLEAY	G31AC35	4.00	1	401	03222	JWW
IANDA, DARIIA (YANDA, DORI.	UKRAINS'KA ZHINKA NA USLUHAKH SVOHO	3185R40		0001574		UKRBO	G31AC4C14	2.50	1	404	C3312	RVA
IAROSLAVS'KA, DARIIA .	PID CHUZHI ZORI: ROMAN. 3-TA CHASTY	3066R06	971	0001617		UKRBO	G31AC35	4.00	1	502	03222	RVA
JOHN C. SNITH .	ANDORRA			0001696		******	G31AC1C		8	004	C3222	MCP
JOHN C. SNITH .	ANDORRA	4724R01		0002228		******	G31A010		8	C04	C3222	MCP
8=SEND VIA AIR												
JOHN C. SNITH .	ANDORRA			0001962		******	G31AC10		8	C04	C3222	MCP
JOHNSON, LLOYD .	UNDER SEA	2365T00		0002229		UOSPCL	G31C060	15.00	4	008	C3222	DEH
JOHNSON, LLOYD .	UNDER SEA			0001697		UOSPCL	G31CC6C	15.00	4	008	03222	DEH
JOHNSON, LLOYD .	UNDER SEA			0001963		UOSPCL	G31CC60	15.00	4	008	03222	DEH
KACHOR, ANDRII .	UKRAINS'KA MOLOCHARS'KA KOOPERATIIA	3185R34	949	0001568		UKRBO	G31AC4C14	1.50	1	404	03312	RVA
KENYA .	REPORT OF THE COMMISSION APPOINTED	3066R02		0001448		LIBRXK	G31A04CC3	.22	1	404	03272	JWW
KINAKH, H. H., COMP .	VELYKODNI DZVONY: ANTOLOHIIA NOVISH	3185R24	968	0001557		UKRBO	G31A04014	2.00	1	404	03312	RVA
KOHUS'KA, NATALIIA, COMP .	PERED BRAMOIU: NARYS ISTORII INSTYT	3185R38	969	0001572		UKRBO	G31AC4014	3.50	1	404	C3312	RVA
KOLENS'KA, LIUBOV .	PAVLIV TRIIUMF: ZBIRKA NOVEL'	3065R04	971	0001615		UKRBO	G31AC35	4.00	1	501	03222	RVA
8= DO NOT SEND IF DEPOSITING FOR COPYRIGHT												
KOLTAY, EMERY, ED .	IRREGULAR SERIALS AND ANNUALS: AN I	3084R01	972	0001460		KEYBKS	01231A	27.50	1	100	03222	GAZ
KOPACH, OLEKSANDRA .	KHRESTOMATIIA Z NOVOI UKRAINS'KOI L	3185R30	970	0001564		UKRBO	G31A04014	4.50	1	YFU	C3312	RVA
KOSYK, VOLODYMYR .	CONCENTRATION CAMPS IN THE USSR	3185R43	962	0001577		UKRBO	G31A04014	1.50	1	401	C3222	RVA
LYBERIUS, A .	LIETUVIL-RUSU KALBU ZODYNAS	3119R01		0001595		ABELAA	01231A	7.50	1	401	C3222	HWC
MALANIUK, IEVHEN .	OSTANNIA VESNA: POEZII	3185R23	959	0001556		UKRBO	G31AC4C14	1.65	1	404	03312	RVA
MINAH BIRD .	POPULATION REFFRENCE BUREAU. MEMBER	5427Y00		0001436		POPURE	G31CC6C	5.00	1	404	03272	
VENDOR INSTRUCTIONS= 6,2,4												
MIRO, JOAN .	PROVERBIOS EN MANC. JOAN MIRO, SHUZ	3154R01	970	0001444		PORTER	G31AC35	266.00	1	401	03272	BRTR
8= DO NOT DUPLICATE ON BLANKET ORDER												
NINOVS'KYI, VASYL' .	RYMY TA STROFIKA HUTSUL'S'KYKH KOLI	3185R31	967	0001565		UKRBO	G31AC4C14	1.00	1	YFU	C3312	RVA
ONATS'KYI, IEVHEN .	U VAVYLONS'KOMU POLONI: SPOMYNY	3185R21	949	0001554		UKRBO	G31AC4C14	1.25	1	404	03312	RVA
OSTROMYRA, MARIIA .	LEMKIVSHCHYNA V CHNI: POVIST'	3065R05	971	0001616		UKRBO	G31A035	5.00	1	501	C3222	RVA
POHRIBNA, L. Z .	TVORY M.KOTSIUBYNS'KOHO NA EKRANI	3065R11	971	0001622		UKRBO	G31AC35	2.55	1	YFU	C3222	RVA
POLISHCHUK, KLYM .	SKARBY VIKIV: UKRAINS'KI LEGENDY	3185R20	966	0001553		UKRBO	G31AC4C14	.50	1	404	03312	RVA
POLOWY, HANNAH .	LITTLE TARAS; THE STORY OF TARAS SH	3185R44	961	0001578		UKRBO	G31AC4C14	1.50	1	401	03222	RVA
PROKOPIV, MYKHAILO .	PO SO-TY ROKAKH NA UKRAINI: SPOHADY	3185R18	964	0001551		UKRBO	G31AC4C14	1.10	1	404	C3312	RVA
PTUKHA, M. V .	VYBRANI PRATSI: VYDATNI VCHENI UKRA	3065R09	971	0001620		UKRBO	G31AC35	4.70	1	012	C2012	RVA
RODOLICO, NICCOLO .	STORIA DEL PARLAMENTO ITALIANO	3097R01	971	0001594		LATERZ	G31AC35	17.00	1	401	C3222	
SIRLEAF, VARSEY .	LOVE IN EBONY	2774R02		0001606		COLEAY	G31A035	12.00	1	401	C3222	JJW
SKORUPS'KYI, MAKSYM .	U NASTUPAKH I VIDSTUPAKH: SPOMYNY M	3185R22	961	0001555		UKRBO	G31AC4C14	3.00	1	404	03312	RVA
TAPIES PUIG, ANTONIO .	NOCTURN NATINAL. JOAN BROSSA. LITOG	3154R02	970	0001445		PORTER	G31AC35	160.00	1	YFU	C3272	BRTR
8= DO NOT DUPLICATE ON BLANKET ORDER												
TERLETS'KA, Z .	UKRAINS'KI STRAVY: DAVNI PRYPYSY Z	3065R10	971	0001621		UKRBO	G31AC35	7.50	1	012	C2012	RVA
8= DO NOT SEND IF DEPOSITING FOR COPYRIGHT												

REPORT DATE 04/07/72 ORDER DIVISION WEEKLY IN-PROCESS LIST BY TITLE AND AUTHOR PAGE 01

TITLE	AUTHOR	CLC ORD NUMBER	IMP YR.	ORDER NUMBER	V I	VENDOR CODE	FUND CODE	COST IN $	NO OF COPIES	STATUS CODE	STATUS DATE	REC CODE
A BIOGRAPHICAL DIRECTORY OF LIBRARIANS IN THE UNITED STATES AND		3175R01		0001437		AMLIBA	01231A	45.00	1	404	03272	RRH
ALMANAC OF CURRENT WORLD LEADERS		2869Z00		0001461		CURWO	G31CC64	12.00	1	100	03222	MCP
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AMALGAMATION OF THE KENYA AND UGANDA RAILWAYS AND HARBOURS AND		3066RC1	948	0001447		LIBRXK	G31AC4CC3	.14	1	401	03272	JHH
ANDORRA	. JOHN C. SMITH			0001696		******	G31A010		8	004	03222	MCP
ANDORRA	. JOHN C. SMITH			0001962		******	G31AC10		8	004	03222	MCP
ANDORRA	. JOHN C. SMITH	4724R01		0002228		******	G31A010		8	004	03222	MCP
A=SEND VIA AIR												
BASIC PL/1 CODING - HOW TO WRITE A BASIC PROGRAM SR29-0115		3096RC4		0001584		******	98R26E	23.40	3	401	03222	HDA
BASIC PL/1 CODING - NOTEBOOK AND PRACTICE PROBLEMS SR29-0116		3096R05		0001585		******	98R26E	13.50	3	401	03222	HDA
BASIC PL/1 CODING - NOTEBOOK SR29-0112		3096R02		0001582		INTNBT	98R26E	4.50	3	401	03222	HDA
BASIC PL/1 CODING - SUPPLEMENT SR29-0113		3096RC3		0001583		******	98R26E	1.50	3	401	03222	HDA
BASIC PL/1 CODING - TEXT SR29-0111		3096R01		0001581		INTNBT	98R26E	25.20	3	401	03222	HDA
BASIC PL/1 F CODING - NOTEBOOK SR29-0268		3096RC7		0001587		******	98R26E	9.00	3	401	03222	HDA
BASIC PL/1 F CODING - TEXT SR29-0267		3096R06		0001586		******	98R26E	13.50	3	401	03222	HDA
BLINDNESS, 1971		3098RC1	971	0001465		******	24R26E	6.00	2	150	03222	HK
CANADA LEGAL DIRECTORY		.		0001956		******	G31CC64	15.00	5	012	03222	MCP
CANADA LEGAL DIRECTORY		5456T00		0002222		******	G31C064	15.00	5	012	03222	MCP
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CANADA LEGAL DIRECTORY		.		0001690		******	C31CC64	15.00	5	C12	03222	MCP
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CONTREPOINT		2791RC1	970	0001442		******	G31AC402C	10.00	1	404	03272	DFW
CUMHURIYETTEN ONCE VE SONRA VAKIFLAR		3055R02	937	0001599		BIBTIS	G31A04009	5.75	1	401	03222	GA
DOMINICAN REPUBLIC OBSERVER		.		0001700		CANDPR	G31C06C	48.00	1	C12	03222	RVA
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DOMINICAN REPUBLIC OBSERVER		.		0001966		CANDPR	G31C06C	48.00	1	C12	03222	RVA
DUKLIA		3031R01		0001596		UKRKNY	G31A035	15.00	1	401	03222	RVA
DVI SESTRY; POVIST' IZ ZAPYSOK STARSHYNY U..	BABII, OLEKSA	3065R01	971	0001612		UKRBO	G31A035	3.00	1	YFU	03222	RVA
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I CAN NOT TELL A LIE	. WASHINGTON, GEORGE			0001655		ININCC	G31AC4CC1	185.00	49	C12	03222	CLA
I CAN NOT TELL A LIE	. WASHINGTON, GEORGE	9876RC1		0002231		ININCG	G31AC4CC1	189.00	49	C12	03222	CLA
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I CAN NOT TELL A LIE	. WASHINGTON, GEORGE			0001965		ININCC	G31AC4CC1	189.00	49	C12	03222	CLA
INTRODUCTION GENERALE A L'ETUDE DES SCIENCE.	PRUZEN DE LA MARTI	3111RC1	766	0001467		JOHNSL	G31AC35	25.75	1	000	02022	AHF
IRKUTSKAIA OBLAST'; ADMINISTRATIVNO-TERRITORIAL'NOE DELENIE		3180RC1		0001438		KUBONS	G31AC4C14	3.10	1	YFL	03272	RVA
8= ACCOUNT NO. C-011												
IRREGULAR SERIALS AND ANNUALS: AN INTERNATI.	KOLTAY, EMERY, ED	3084RC1	972	0001460		KEYBKS	01231A	27.50	1	100	03222	CAZ
IAHILKY. 65 MELODII, POVNI TEKSTY TA VKAZIV.	BARYLIAK, O., COMP	3185R46	969	0001580		UKRBO	G31A04C14	1.50	1	401	03222	RVA
8= UKRAINIAN BOOK STORE KATALOH...1972, PAGE 177												
IUVILEINA KNYHA 25-LITTIA UKRAINS'KOHO INS.	(INSTYTUT IM.PETRA	3185R41	945	0001575		UKRBO	G31A04C14	3.00	1	404	03312	RVA
JERUSALEM QUESTION	. BOVIS, H. EUGENE	0010RC1	970	0001446		WORLAF	G31A01C	4.95	1	404	03272	FAC
JOURNAL OF DOCUMENTATION		3048R02		0001611		******	98R26E	31.00	1	YFU	03222	HDA
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PIERCE LAWRENCE C. POLITICS OF FISCAL POLICY FORMATION	4973R01	971	0005140		PRENTY	G31A010	8.00	1	004	06012	SS
LASKIN JOYCE N. ARTS AND CRAFTS ACTIVITIES DESK BOOK	4973K02	972	0005141		PRENTY	G31A010	9.95	1	004	06012	CRD
WHITE SARAH. GUIDE TO SCI AND TECHNOLOGY IN THE USSR	4952R01	970	0005142		HODGSN	G31A010	8.50	1	004	06012	SS
VISCARDI HENRY JR. BUT NOT ON OUR BLOCK	4939R01	972	0005143		ERIKSN	G31A010	6.95	1	004	06012	EPW
SCHERER JOHN L. ALL ABOUT MOBILE HOMES	4957R01	97=	0005144		FAWCET	G31A010	1.90	2	004	06012	ECO
PERRY WHITALL N. TREASURY OF TRADITIONAL WISDOM	4956R01	972	0005145		SIMON	G31A010	15.00	1	004	06012	CRR
BEAN LOUIS. HOW TO PREDICT THE 1972 ELECTION	4964R01	972	0005146		******	G31A010	20.85	3	004	06012	RRC
HILTON ALICE MARY ED. EVOLVING SOC	4940R01	966	0005147		INSCYB	G31A010	10.95	1	004	06012	ISG
DOCUMENT GROUP SLA NY. AUTOMATED FUNCTIONS AND EQUIPMENT IN LIB	4965R01	972	0005148		DOCAG	G31A010	2.00	1	004	06012	ISG
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DICKERSON O.D. HEALTH INSURANCE	4959R01	968	0005150		IRWIN	G31A010	11.75	1	004	06012	EPW
WILKINS MIRA. EMERGENCE OF MULTINATIONAL ENTERPRISE	4970R01	971	0005151		HARVUP	G31A010	9.50	1	004	06012	ECO
. SUMMER STUDY ABROAD 1972	4971R01		0005152		ENGIRO	G31A010	14.00	7	004	06012	LSD
UNTERMEYER LOUIS. TREASURY OF GREAT HUMOR	4972R01	972	0005153		MCGRWH	G31A010	15.00	1	004	06012	RBC
THOMPSON DENNIS L. POLITICS POLICY AND NATURAL RESOURCES	4974R01	972	0005154		COLLID	G31A010	10.95	1	004	06012	EPD
ANDREWS RICHARD B. URBAN LAND USE POLICY THE CENTRAL CITY	4974R02	972	0005155		COLLID	G31A010	23.90	2	004	06012	EPD
PETERSON BILL. APPALACHIAN NOTEBOOK	4975R01	97=	0005156		REGNER	G31A010	6.95	1	004	06012	ECO
FROST MICHAEL J. VALUES FOR MONEY THE TECHNIQUES OF COST BENEFI	4976R01	971	0005157		STEVBR	G31A010	7.50	1	004	06012	ECO
LEVITT JACOB. RESPONSES OF PLANTS TO ENVIRONMENTAL STRESSES	4977R01	972	0005158		ACAPRE	G31A010	11.00	1	004	06012	EPD
WREN J. HOME BUYERS GUIDE	4978R01	97=	0005159		HARPER	G31A010	2.50	1	004	06012	ECO
BEITZELL ROBERT ED. TEHRAN YALTA POTSDAM THE SOVIET PROTOCOLS T	4147R01	972	0005164		ACADIN	G31A035	10.00	A	008	06012	RVA
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ZUBRZYCKI S. LECTURES IN PROBABILITY THEORY AND MATHEMATICAL S	4046R01	972	0005168		ELSVNE	G31A035	37.50	A	012	06012	JWH
. LJ SLJ HOTLINE	5727Y00		000516C		BOWKER	G31C060	50.00	A	004	06012	WJW
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RUSSIA DEPARTAMENT GOSUDAR. SMETA DOHODOV I RASKHODOV NA GOD	4146R01	913	0005169		KUBONS	G31A04014	50.21	A	012	06012	RVA
B= ANTIQUARIA 3223, PAGE 6, ITEM SU 13-465											
. CINTRIBUTII BIBLIOGRAFICE PRIVIND UNIREA TRANSILVANIEI CU ROM	4715R01	969	000516E		KUBONS	G31A04014	6.29	A	012	06012	RVA
B= LAERKATALOG 2223, MARCH 1972, PAGE 24, ITEM 911-139											
. THE INTL SCHOLARS DIRECTORY	4141R01		000516F		STECPA	01231A	35.00	A	012	06012	GAZ
B= 1, RUE DE PALERME, 67											
INTL ASSOCIATION FOR MASS . REPERTOIRE EUROPEEN DES ORGANISMES	4136R01		0005166		HELBLI	01231A	10.00	A	012	06012	GAZ
KOSCH WILHELM. KATHOLISCHE DTL	4138R01		000516H		HARRAS	01231A	10.00	A	012	06012	GAZ
. BIJKMAN S CATALOGUS VAN BOEKEN EN TIJDSCHRIFTEN	4025R01	970	0005161		NIJHOF	01231A	102.10	A	012	06012	GAZ
B= A-CORTI; CORTI-EUROPA; STO-Z											
. NEW CHINA NO A CUMULATIVE TABLE OF CONTENTS 1949 1966 3 VOLU	4928R01	972	0005160		ASHESL	G31A035	275.00	1	012	06012	PKT
VENDOR INSTRUCTIONS= 3,N=THIS CONFIRMS OUR TELEPHONE ORDER OF MAY 15, 1972											
. VESNIANI OBRII LITERATURNI KRYTYCHNYI AL MANAM RICHNYK 1971	4148S01	971	000517		UKRBJ	G31A035	1.10	A	012	06012	RVA
B= NOVI KNYZHKY, NO. 2 MARCH 1972, PAGE 1											
MARCUSE SIBYL. MUSICAL INSTRUMENTS A COMPREHENSIVE DICTIONARY	4150R01	966	000517A		STEVBR	01231A	7.00	A	012	06012	GAZ
. JAHRBUCH DER DTN HOCHSCHULSCHRIFTEN	4714R01	967	0005178		HARRAS	01231A	10.00	A	012	06012	GAZ
MALACHI ELIEZER RAPHAEL. PERI ETS HAYIM BIBLIOGRAFYAN SHEL KITV	4706R01	966	000517C		FELDHP	G31A04009	2.50	A	008	06012	MMW
B= LIST OF JEWISH BIBLIOGRAPHY, PAGE 2											
. WHO S WHO IN BRITISH FINANCE	4142R01		0005170		STEVBR	01231A	35.00	A	012	06012	GAZ
LEITER WOLF EDITOR. TESHUVOT HA GEONIM SHA ARE TESHUVAH	4713R01	966	000517E		FELDHP	G31A04009	3.50	A	008	06012	MMW
B=FELDHEIM LIST #84, "BOOKS OF SEFARDIC INTEREST"											
GREENWALD LEOPOLD. HA RA D MESADRE HA RAVLI ET HA YERUSHALMI	4713R02	956	000517F		FELDHP	G31A04009	5.00	A	008	06012	MMW
B=FELDHEIM LIST #84, "BOOKS OF SEFARDIC INTEREST"											

AUTHOR	TITLE	OLD ORD NUMBER	IMP YR.	ORDER NUMBER	V I	VENDOR CODE	FUND CODE	COST IN $	NO CP	STATUS CODE	STATUS DATE	REC CODE
. BRINKMAN S CATALOGUS VAN BOEKEN EN TIJDSCHRIFTEN		4025R01	971	0005151		NIJHOF	01231A	102.10	A	012	06012	GAZ
B= A=CORTI; CORTI=EUROPA; STO=Z												
. CONTRIBUTI BIBLIOGRAFICE PRIVIND UNIREA TRANSILVANIEI CU RO		4715R01	967	000516F		KUBONS	G31A04014	6.29	A	012	06012	RVA
B= LAGERKATALOG 2223, MARCH 1972, PAGE 2+, ITEM 911-134												
. HAGADAH SHEL PESAH MI TOKH MAHAZOR ROME BOLOGNA 1540		4713R07	966	0005184		FELDHP	G31A04009	3.50	A	008	06012	MMW
B=FELDHEIM LIST R84, "BOOKS OF SEFARDIC INTEREST"												
. HAGADAT BENE YISRAEL DE MODU		4713R09	968	000518C		FELDHP	G31A04009	3.50	A	008	06012	MMW
B=FELDHEIM LIST R84, "BOOKS OF SEFARDIC INTEREST"												
. HAGADAT YEHUDE SIN		4713R08	967	0005198		FELDHP	G31A04009	3.50	A	008	06012	MMW
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. JAHRBUCH DER OSTEUROPA-INSTITUT		4714R01	967	000517B		HARRAS	01231A	10.00	A	012	06012	GAZ
. LJ SLJ HOTLINE		3727R02		000516C		BOWKER	G31C060	50.00	A	004	06012	WJW
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. NEW CHINA NO 4 CUMULATIVE TABLE OF CONTENTS 1949 1966 5 VOLU		4823R01	972	000516		ASRESL	G31A035	275.00	A	012	06012	PKT
VENDOR INSTRUCTIONS= 3,8=THIS CONFIRMS OUR TELEPHONE ORDER OF MAY 15, 1972												
. RECUEIL FINANCIER ANNE DES VALEURS		4137R01		000518D		NIJHOF	01231A	10.00	A	012	06012	GAZ
B=RUE DE LA REGENCE, 57												
. SIFTE RENANOT SELIHOT KE MINHAG TRIPOLI JERBA VE AGAPEHA		4713R06		000513		FELDHP	G31A04009	7.50	A	008	06012	MMW
B=FELDHEIM LIST R84, "BOOKS OF SEFARDIC INTEREST"												
. SUMMER STUDY ABROAD 1972		4971R01		0005152		ENGIBD	G31A010	14.00	7	004	06012	LSD
. THE INTL SCHOLARS DIRECTORY		4141R01		000516F		STECPA	01231A	35.00	A	012	06012	GAZ
B= 1, RUE DE PALERME, 57												
. VESNIANI OBRII LITERATURNO KRYTYCHNYI AL MANAKH RICHNYK 1971		4148R01	971	000517		UKRBD	G31A035	1.10	A	012	06012	RVA
B= NOVI KNYZHKY, NO. 2 MARCH 1972, PAGE 1												
. WHO S WHO IN BRITISH FINANCE		4142R01		000517D		STEVBR	01231A	35.00	A	012	06012	GAZ
ANDREWS RICHARD A. URBAN LAND USE POLICY THE CENTRAL CITY		4974R02	972	0005155		COLLID	G31A010	23.90	2	004	06012	EPD
BEAN LOUIS. HOW TO PREDICT THE 1972 ELECTION		4964R01	972	0005146		******	G31A010	20.85	3	004	06012	RRC
BEITZELL ROBERT ED. TEHRAN YALTA POTSDAM THE SOVIET PROTOCOLS T		4147R01	972	000516A		ACADTN	G31A035	10.00	A	008	06012	RVA
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CENTRE DE FORMATION PROFES. ORGANISATION CONSTITUTIONNELLE ADMI		4135R03		000518H		STECPA	01231A	10.00	A	012	06012	GAZ
CLENDENNING J W ED. DR THOMAS DIMSDALE IN RUSSIA 1768 AND 1781		4707R01	972	000518I		ORIER	G31A035	10.40	A	012	06012	RVA
B=ORIENTAL RESEARCH PARTNERS CATALOG NO. 2, RUSSKAIA STARINA, SPRING 1972, ITEM NO. 10												
COHEN KHALFON. BERIT KEHUNAH MINHAGE I JERBA HOSHEN MISHPAT		4713R04		000517H		FELDHP	G31A04009	4.50	A	008	06012	MMW
B=FELDHEIM LIST, R84, "BOOKS OF SEFARDIC INTEREST"												
DICKERSON O D. HEALTH INSURANCE		4953R01	968	0005150		IRWIN	G31A010	11.75	1	004	06012	EPW
DOCUMENT GROUP SLA NY. AUTOMATED FUNCTIONS AND EQUIPMENT IN LIB		4945R01	972	0005148		DOCAG	G31A010	2.00	1	004	06012	ISG
FIRSOV NIKOLAI NIKOLAEVICH. PRAVITEL STVO I OBSHCHESTVO V IKH O		4707R02	902	000519		ORIER	G31A04014	15.65	A	012	06012	RVA
B=ORIENTAL RESEARCH PARTNERS CATALOG NO. 2, RUSSKAIA STARINA, SPRING 1972, ITEM A12												
FROST MICHAEL J. VALUES FOR MONEY THE TECHNIQUES OF COST BENEFI		4976R01	971	0005157		STEVBR	G31A010	7.50	1	004	06012	ECO
GRUENWALD LEOPOLD. HA RA U MESADRE HA BAVLI ET HA YERUSHALMI		4713R02	954	000517E		FELDHP	G31A04009	5.00	A	008	06012	MMW
B=FELDHEIM LIST R84, "BOOKS OF SEFARDIC INTEREST"												
HELTON ALICE MARY ED. EVOLVING SOC		4940R01	966	0005147		INSCYB	G31A010	10.95	1	004	06012	ISG
INTL ASSOCIATION FOR MASS . REPERTOIRE EUROPEEN DES ORGANISMES		4136R01		000516G		HELBLI	01231A	10.00	A	012	06012	GAZ
INTL BOARD ON BOOKS FOR YO. DICT DES ECRIVAINS POUR LA JEUNESS		4135R02		000518G		STECPA	01231A	1.50	A	012	06012	GAZ
KOSCH WILHELM. KATHOLISCHE DTL		4138R01		000516H		HARRAS	01231A	10.00	A	012	06012	GAZ
KRAUSS SAMUEL. KOBOT BATE HA TEFILAH BE YISRAEL		4713R05	955	0005171		FELDHP	G31A04009	7.50	A	008	06012	MMW

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ALL ABOUT MOBILE HOMES. SCHERER JOHN L	4957R01	97-	0005144		FAWCET	G31A010	1.90	2	004	06012	ECO
APPALACHIAN NOTEBOOK. PETERSON BILL	4975R01	97-	0005156		REGNER	G31A010	6.95	1	004	06012	ECO
ARTS AND CRAFTS ACTIVITIES DESK BOOK. LASKIN JOYCE N	4973R02	972	0005141		PRENTY	G31A010	9.95	1	004	06012	CRD
AUTOMATED FUNCTIONS AND EQUIPMENT IN LIBRAR. DOCUMENT GROUP SLA	4945R01	972	0005148		DOCAG	G31A010	2.00	1	004	06012	ISG
BERIT KEHUNAH MINHAGE I JERBA HOSHEN MISHPA. COHEN KHALFON	4713R04		000517H		FELDHP	G31A04009	4.50	A	008	06012	MMW
B=FELDHEIM LIST, R88, "BOOKS OF SEFARDIC INTEREST"											
BIBE DE BELGIQUE. BELGIUM MIN DE L EDUCATION NATIONALE ET DE LA	4137R02		000518E		NIJHOF	01231A	10.00	A	012	06012	GAZ
A=ISSUES FOR 1965 AND 1966 ONLY											
BRINKMAN S CATALOGUS VAN BOEKEN EN TIJDSCHRIFTEN	4025R01	970	0005161		NIJHOF	01231A	102.10	A	012	06012	GAZ
A= A-CURTI; CURTI-EUROPA; STO-Z											
BUT NOT ON OUR BLOCK. VISCARDI HENRY JR	4939R01	972	0005143		ERIKSN	G31A010	6.95	1	004	06012	EPW
CONTRIBUTII BIBLIOGRAFICE PRIVIND UNIREA TRANSILVANIEI CU ROMANI	4715R01	969	0005160		KUBONS	G31A04014	6.29	A	012	06012	RVA
B= LAGERKATALOG 2223, MARCH 1972, PAGE 24, ITEM 911-139											
DICT ALPHABETIQUE ET ANALOGIQUE DE LA LANGU. ROBERT PAUL	4135R01		000518F		STECPA	01231A	10.00	A	012	06012	GAZ
DICT DES ESCRIVAINS POUR LA JEUNESSE AUTEUR. INTL BOARD ON BOOK	4135R02		000518G		STECPA	01231A	1.50	A	012	06012	GAZ
DR THOMAS DIMSDALE IN RUSSIA 1768 AND 1781 . CLENDENNING P H ED	4707R01	972	000518I		ORIER	G31A035	10.40	A	012	06012	RVA
B=ORIENTAL RESEARCH PARTNERS CATALOG NO. 2, RUSSKAIA STARINA, SPRING 1972, ITEM NO. 10											
EMERGENCE OF MULTINATIONAL ENTERPRISE. WILKINS MIRA	4970R01	971	0005151		HARVUP	G31A010	9.50	1	004	06012	ECO
EVOLVING SOC. HILTON ALICE MARY ED	4940R01	966	0005147		INSCYB	G31A010	10.95	1	004	06012	ISG
GUIDE TO SCI AND TECHNOLOGY IN THE USSR. WHITE SARAH	4952R01	970	0005142		HODGSN	G31A010	8.50	1	004	06012	SS
HA RA U MESADRE HA BAVLI ET HA YERUSHALMI. GREENWALD LEOPOLD	4713R02	954	000517F		FELDHP	G31A04009	5.00	A	008	06012	MMW
B=FELDHEIM LIST R88, "BOOKS OF SEFARDIC INTEREST"											
HAGADAH SHEL PESAH MI TOKH MAHAZOR ROMI BOLOGNA 1540	4713R07	966	000518A		FELDHP	G31A04009	3.50	A	008	06012	MMW
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HAGADAT BENE YISRAEL BE HODU	4713R09	968	000518C		FELDHP	G31A04009	3.50	A	008	06012	MMW
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HAGADAT YEHUDE SIN	4713R08	967	0005188		FELDHP	G31A04009	3.50	A	008	06012	MMW
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HEALTH INSURANCE. DICKERSON O D	4969R01	968	0005150		IRWIN	G31A010	11.75	1	004	06012	EPW
HOME BUYERS GUIDE. WREN J	4978R01	97-	0005159		HARPER	G31A010	2.50	1	004	06012	ECO
HOW TO PREDICT THE 1972 ELECTION. BEAN LOUIS	4964R01	972	0005146		******	G31A010	20.85	3	004	06012	RRC
JRVERZ DER DTN HOCHSCHULSCHRIFTEN	4714R01	967	0005178		HARRAS	01231A	10.00	A	012	06012	GAZ
KATHOLISCHE DTL. KOSCH WILHELM	4138R01		000516H		HARRAS	01231A	10.00	A	012	06012	GAZ
KOROT BATE HA TEFILAH BE YISRAEL. KRAUSS SAMUEL	4713R05	955	000517I		FELDHP	G31A04009	7.50	A	008	06012	MMW
B=FELDHEIM LIST R88, "BOOKS OF SEFARDIC INTEREST"											
LECTURES IN PROBABILITY THEORY AND MATHEMA. ZUBRZYCKI S	4046R01	972	0005168		ELSVNE	G31A035	37.50	A	012	06012	JWH
LJ SLJ HOTLINE	5727Y00		000516C		BOWKER	G31C060	50.00	A	004	06012	WJW
B= CURRENT ISSUE 1972 AND CONTINUATION; MAIL DIRECT TO: LIBRARY OF CONGRESS, W.J. WELSH, DIR. PROC. DEPT., WASHINGTON, D.C. 20540											
MUSICAL INSTRUMENTS A COMPREHENSIVE DICTION. MARCUSE SIBYL	4150R01	966	000517A		STEVBR	01231A	7.00	A	012	06012	GAZ
NEW CHINA MO A CUMULATIVE TABLE OF CONTENTS 1949 1966 3 VOLUMES	4823R01	972	000516		ASHESL	G31A035	275.00	A	012	06012	PKT
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ORGANISATION CONSTITUTIONNELLE ADMIN ET JUD. CENTRE DE FORMATIO	4135R03		000518H		STECPA	01231A	10.00	A	012	06012	GAZ
OTSAR HILUF MINHAGIM BEN BENE ERETS YISRAEL. LEWIN BENJAMIN MAN	4713R03	942	000517G		FELDHP	G31A04009	3.50	A	008	06012	MMW
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PERI ETS HAYIM BIBLIOGRAFYAH SHEL KITVE CHA. MALACHI ELIEZER RA	4706R01	946	000517C		FELDHP	G31A04009	2.50	A	008	06012	MMW
B= LIST OF JEWISH BIBLIOGRAPHY, PAGE 2											
POLITICS OF FISCAL POLICY FORMATION. PIERCE LAWRENCE C	4978R01	971	0005140		PRENTY	G31A010	8.00	1	004	06012	SS
POLITICS POLICY AND NATURAL RESOURCES. THOMPSON DENNIS L	4974R01	972	0005154		COLLID	G31A010	10.95	1	004	06012	EPD

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	. WORLD ECONOMIC SURVEY, 1965-1970: THE DEVELOPING COUNTRIES I	2862R02	971	0001482		ENSIGN	G31A010	4.50	1	#611	03222	ECO
[HETZEL, PIERRE JULES]	. MARLSIA: POVIST' ZA LEHENDOIU MARKA	3185R14	965	0001547		UKRAI	G31A04014	2.15	1	850	03232	RVA
AAV, YRJOE	. ESTONIAN PERIODICALS AND BOOKS IN E	3385R01	970	0001522		PATTOC	G31A020	17.25	1	850	03232	LT
AMERICAN EDUCATION PUBLICA.	KNOW ABOUT DRUGS. LAEP UNIT BOOK NO	2903R01	970	0001518		AMERPU	148266	200.00	***	850	03232	KIT
BARKA, VASYL'	. ZHOVTYI KNIAZ'; POVIST' IZ CHASIV H	3185R07	965	0001540		UKRAI	G31A04014	3.30	1	850	03232	RVA
BENOIT, AUGUSTE	. NOTICE SUR JEAN LE BON, MEDECIN DU	3111R14	879	0001490		JOHNSU	G31A035	5.15	1	850	03282	AHP
CENTER FOR INFORMATION ON	. VITAL ISSUES: REFORMING THE NATIONA	2837R01	971	0001535		GENIMA	148266	36.00	***	850	03232	KIT
CENTRAL ELECTRICITY GENERA.	MODERN POWER STATION PRACTICE	2837R01	971	0001513		PERGAM	G31A010	10.00	1	#850	03232	EPD
CHERIN', HANNA	. ID'MO ZI MNOIU: REPORTAZHI	3185R12	965	0001545		UKRAI	G31A04014	3.00	1	850	03232	RVA
DARD, EMILE	. UN ACTEUR CACHE DU DRAME REVOLUTION	3111R03	925	0001469		JOHNSU	G31A035	24.46	1	850	03282	AHP
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DUBESTER, HENRY J	. CATALOG OF UNITED STATES CENSUS PUB	2874R01	950	0001495		FRANKA	G31A010	16.50	1	#630	03282	ECO
ESNAULT, GASTON	. LE POILU TEL QU'IL SE PARLE. DICTIO	3111R06	919	0001472		JOHNSU	G31A035	30.30	1	850	03282	AHP
EVANS, E. BELLE	. DAY CARE: HOW TO PLAN, DEVELOP, AND	2871R01	971	0001483		BEACON	G31A010	6.95	1	#630	03282	EPW
FABRE, ANTONIN	. LES ENNEMIS DE CHAPELAIN	3111R07	957	0001473		JOHNSU	G31A035	34.76	1	850	03282	AHP
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FOUCQUET, JEAN-FRANCOIS	. DOCUMENTS INEDITS RELATIFS A LA CON	3111R09	932	0001475		JOHNSU	G31A035	9.00	1	850	03282	AHP
FOX, IRVING K	. WATER RESOURCES LAW AND POLICY IN T	2893R01	971	0001510		UCWIP	G31A010	4.50	1	#850	03232	EPD
GEORGE, JEAN C	. WHO REALLY KILLED COCK ROBIN?	2880R01	971	0001433		DUTTON	G31A010	4.95	1	#630	03282	EPD
GOOD READING COMMUNICATION.	HOW TO SUCCEED WITH HOUSE PLANTS	2889R01	971	0001506		GOODRA	148266	7.20	40	#850	03232	DLP
GREGORY, ROY	. THE PRICE OF AMENITY	2866R01	971	0001488		COLLID	G31A010	8.00	1	#611	03222	EPD
GRISWOLD, H. JACK	. AN EYE FOR AN EYE	2876R01	970	0001497		HOLT	G31A010	6.95	1	#630	03282	EPW
GUILBERT DE PIXERECOURT, R.	THEATRE CHOISI	3111R11		0001477		JOHNSU	G31A035	128.75	1	850	03282	AHP
HUTCHINSON, SIR JOSEPH	. POPULATION AND FOOD SUPPLY	2582R01	969	0001521		CAMBRU	G31A010	5.50	1	#850	03232	EAD
IAVORIVS'KYI, IEVHEN	. VOZHD' ICC-TYSIACHACI ARMII: NARYS	3185R01	958	0001534		UKRAI	G31A04014	1.25	1	850	03232	RVA
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IENDYK, ROSTYSLAV	. ZHAHA: NOVELI	3185R06	957	0001539		UKRAI	G31A04014	2.00	1	850	03232	RVA
KACHUROVS'KYI, IHOR	. ZALIZNYI KURKUL'	3185R08	959	0001541		UKRAI	G31A04014	.90	1	850	03232	RVA
KENYA	. CONSIDERATION OF THE RECOMMENDATION	3066R05	963	0001451		LIBRAR	G31A04023	.08	1	602	03272	JWW
KENYA	. CONVENTION BETWEEN THE U.K. OF GR.	3066R07	963	0001453		LIBRAR	G31A04023	.14	1	602	03272	JWW
KENYA	. FOREST POLICY FOR KENYA	3066R10	968	0001455		LIBRAR	G31A04023	.14	1	602	03272	JWW
KENYA	. INTNATL. LABOUR CONFERENCE: PROPOSE	3066R09	965	0001455		LIBRAR	G31A04023	.14	1	602	03272	JWW
KENYA	. KENYA PREPARATION FOR INDEPENDENCE	3066R06	963	0001452		LIBRAR	G31A04023	.25	1	602	03272	JWW
KENYA	. LAND TENURE AND CONTROL OUTSIDE THE	3066R04	959	0001450		LIBRAR	G31A04023	.28	1	602	03272	JWW
KENYA	. PROPOSALS BY THE GOVERNMT. OF KENYA	3066R08	964	0001454		LIBRAR	G31A04023	.28	1	602	03272	JWW
KENYA	. PROPOSED SETTING ASIDE OF CROWN LAN	3066R03	958	0001449		LIBRAR	G31A04023	.25	1	602	03272	JWW
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KVARACEUS, WILLIAM C	. PREVENTION AND CONTROL OF DELINQUEN	2895R01	971	0001511		ENGINE	G31A010	1.00	1	#850	03232	RPC
LENDVAI, PAUL	. ANTI-SEMITISM WITHOUT JEWS	2885R01	971	0001536		******	G31A010	7.95	1	#850	03232	EAD
LIFE EDUCATIONAL-REPRINTS	. AIR POLLUTION. (EDUCATIONAL REPRINT	2864R01	968	0001487		LIFEED	148266	175.00	***	611	03222	KIT
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. WHO WAS WHO IN THE USSR		2869R01	972	0001492		SCAREC	G31A010	17.5C	1	8630	03282	RBC
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(HETZEL, PIERRE JULES)	. MARUSIA; POVIST' ZA LEHENDCIU MARKA	3185R14	965	0001547		UKRBO	G31A04C14	2.15	1	850	C3232	RVA
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DARD, EMILE	. UN ACTEUR CACHE DU DRAME REVOLUTION	3111R03	905	0001469		JOHNSU	G31AC35	24.46	1	850	C3282	AHP
DELORT, JEAN	. HISTOIRE DE LA DETENTION DES PHILOS	3111R13	829	0001479		JOHNSU	G31AC35	46.35	1	850	C3282	AHP
DUBESTER, HENRY J	. CATALOG OF UNITED STATES CENSUS PUB	2874R01	950	0001495		FRANKA	G31AC1C	16.5C	1	8630	03282	ECC
ESNAULT, GASTON	. LE POILU TEL QU'IL SE PARLE. DICTIO	3111R06	919	0001472		JOHNSU	G31AC35	3C.9C	1	850	C3282	AHP
EVANS, E. BELLE	. DAY CARE; HOW TO PLAN, DEVELOP, AND	2871R01	971	0001493		BEACON	G31AC1C	6.95	1	8630	03282	EPW
FABRE, ANTONIN	. LES ENNEMIS DE CHAPELAIN	3111R07	897	0001473		JOHNSU	G31AC35	34.76	1	850	03282	AHP
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FOX, IRVING K	. WATER RESOURCES LAW AND POLICY IN T	2893R01	971	0001510		UOWIP	G31AC1C	8.5C	1	0850	C3232	EPD
GEORGE, JEAN C	. WHO REALLY KILLED COCK ROBIN?	2880R01	971	0001499		DUTTON	G31AD1C	4.95	1	8630	03282	EPD
GOOD READING COMMUNICATION.	HOW TO SUCCEED WITH HOUSE PLANTS	2889RC1	971	0001506		GOODRE	14R26E	7.2C	4C	085C	C3232	ELP
GREGORY, ROY	. THE PRICE OF AMENITY	2866R01	971	0001488		COLLIE	G31A010	8.0C	1	0611	03222	EPD
GRISWOLD, H. JACK	. AN EYE FOR AN EYE	2879RC1	970	0001497		HOLT	G31AD1C	6.95	1	8630	03282	EFW
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HUTCHINSON, SIR JOSEPH	. POPULATION AND FOOD SUPPLY	2882R01	969	0001501		CAMBRU	G31A010	5.5C	1	0850	03232	FAD
IAVORIVS'KYI, IEVHEN	. VOZHD' 1CO-TYSIACHNOI ARMII; NARYS	3185R01	958	0001534		UKRBO	G31AC4C14	1.25	1	85C	C3232	RVA
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KENYA	. KENYA PREPARATION FOR INDEPENDENCE	3066RC6	963	0001452		LIBRXK	G31AC4CC3	.C5	1	602	03272	JWW
KENYA	. LAND TENURE AND CONTROL OUTSIDE THE	3066R04	959	0001450		LIBRXK	G31A04003	.C8	1	602	03272	JWW
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KVARACEUS, WILLIAM C	. PREVENTION AND CONTROL OF DELINQUEN	2895R01	971	0001511		ENGIBO	G31AC1C	1.8C	1	0850	C3232	REC
LENDVAI, PAUL	. ANTI-SEMITISM WITHOUT JEWS	2896R01	971	0001504		******	G31A010	7.95	1	0850	C3232	FAC
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0001344	AMLIBA	000	NC	ANGLO-AMERICAN CATALOGING RULES. NORTH AMERICAN TEXT	
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0001263	BANKAI	000	MCP	JOURNAL OF BANK RESEARCH	
0000971	BEACON	000	EPW	EVANS, E. BELLE. DAY CARE; HOW TO PLAN, DEVELOP, AND OPERATE A DAY CARE CENTER	
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0001178	CORNLP	000	EPW	SIMEIF, GORDON F. AND CLEM. RETIREMENT IN AMERICAN SOCIETY	
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0001102	DENNIS	000	MMCG	THE AMERICAN UNIVERSITY LAW REVIEW	
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0001114	ENGIBO	000	RRC	TIMES ATLAS OF THE WORLD	
0001144	ENGIBO	000	EPW	SEARLES, AYSEL J. GUIDE TO FINANCIAL AIDS FOR STUDENTS IN ARTS & SCIENCES FOR GRADUATE AND	
0001175	ENGIBO	000	SPR	SELJAK, VEKOSLAV D. PUBLIC POLICYMAKING AND ENVIRONMENTAL QUALITY	
0001256	ENGIBO	000	EPW	NATIONAL LEAGUE FOR NURSIN. CHALLENGE TO NURSING EDUCATION	
0001257	ENGIBO	000	FCO	ANTITRUST IMPLICATIONS OF METRIC CONVERSION	
0001258	ENGIBO	000	FAC	OPEN DOORS: ANNUAL CENSUS OF FOREIGN STUDENTS	
0001259	ENGIBO	000	SPR	AMERICAN VETERINARY MEDICAL ASSOCIATION DIRECTORY FOR 1972	
0001278	ENGIBO	000	JM	HERBERT, FRANK, ED. NEW WORLD OR NO WORLD	
0001246	ENGOEP	000	JJK	VARIOUS - SEE ATTACHMENT. VARIOUS - SEE ATTACHMENT (12 UNDERLINED TITLES IN ALL)	
0001181	FIELDY	000	SPRC	WORLD BOOK ENCYCLOPEDIA	
0000973	FRANKA	000	ECI	CUBBERLEY, HENRY J. CATALOG OF UNITED STATES CENSUS PUBLICATIONS, 1790-1945	
0000984	GOODRF	000	ELP	GOOD READING COMMUNICATION. HOW TO SUCCEED WITH HOUSE PLANTS	
0001236	GREENW	000	AL	UPTON, EMORY. INFANTRY TACTICS, DOUBLE AND SINGLE RANK	

ORDER NUMBER	VENDOR CODE	STAT CODE	REC CODE	AUTHOR	TITLE
0001441	******	404	MGB		ODU: A JOURNAL OF WEST AFRICAN STUDIES
0001442	******	404	DFW		CONTREPOINT
0001443	******	404	BRTB		HAMILTON, BOB AND MARY RAM. THE PAPER BIRD
0001437	AMLIBA	404	RRH		A BIOGRAPHICAL DIRECTORY OF LIBRARIANS IN THE UNITED STATES AND CANADA
0001439	KUBONS	404	RVA		LIPETSKAIA OBLAST'; ADMINISTRATIVNO-TERRITRIAL'NOE DELENIE NA 1. SEPT. 1968 GODA
0001440	KUBONS	404	RVA		VOLOGODSKAIA OBLAST'; ANNOTIROVANNYI UKAZATEL' LITERATURY ZA 1946-1960 GG OTVETSTV. RED. L. M. VOROB'EV
0001438	LIBRXK	404	JHW		KENYA. REPORT OF THE COMMISSION APPOINTED TO INQUIRE INTO METHODS FOR SELECTION OF AFRICAN
0001436	POPURF	404			MINAH BIRD. POPULATION REFERENCE BUREAU. MEMBERSHIP (TO INCLUDE ALL PUBLICATIONS)
0001551	UKR80	404	RVA		PROKOPIV, MYKHAILO. PO 50-TY ROKAKH NA UKRAINI; SPOHADY Z PODOROZHI
0001552	UKR80	404	RVA		GRITCHENKO, ALEXIS. ROKY BURI I NATYSKU; SPOHADY MYSTTSIA OLEKSY HRYSHCHENKA, 1908-1918
0001553	UKR80	404	RVA		POLISHCHUK, KLYM. SKARBY VIKIV; UKRAINS'KI LEGENDY
0001554	UKR80	404	RVA		ONATS'KYI, IEVHEN. U VAVYLONS'KOMU POLONI; SPOMYNY
0001555	UKR80	404	RVA		SKORUPS'KYI, MAKSYM. U NASTUPAKH I VIDSTUPAKH; SPOMYNY MAKSA, KURINNOHO UPA
0001556	UKR80	404	RVA		MALANIUK, IEVHEN. OSTANNIA VESNA; POEZII
0001557	UKR80	404	RVA		KINAKH, H. H., COMP. VELYKODNI DZVONY; ANTOLOHIIA NOVISHOI UKRAINS'KOI VELYKODNOI POEZII SKLAV, H.H.
0001558	UKR80	404	RVA		MY I NASHI DITY; DYTIACHA LITERATURA, MYSTETSTVO, VYKHOVANNIA. ZB.1. ZA RED.B. HOSHOVS'KOHO
0001559	UKR80	404	RVA		POEZIIA
0001560	UKR80	404	RVA		PRYHORSHCHI VESNY; ZBIRKA 7-MERO MOLODYKH UKRAINS'KYKH POETIV V CSR
0001567	UKR80	404	RVA		BOSYI, VOLODYMYR. VIACHESLAV LYPYNS'KYI, IDEOLOH UKRAINS'KOI TRUDOVOI MONARKHII
0001568	UKR80	404	RVA		KACHOR, ANDRII. UKRAINS'KA MOLOCHARS'KA KOOPERATIIA V TSYFRAKH I SVITLYNI: V 45-TI ROKOVYNY
0001569	UKR80	404	RVA		(UKRAINIAN CANADIAN COMMIT. ZBIRNYK MATERIIALIV I DOKUMENTIV U 25-LITTIA KUK, 1940-1965
0001570	UKR80	404	RVA		(WORLD CONGRESS OF FREE UK. PERSHYI SVITOVYI KONGRES VIL'NYKH UKRAINTSIV; MATERIIALY
0001571	UKR80	404	RVA		CHUMER, VASYL'. SPOMYNY PRO PEREZHYVANNIA PERSHYKH UKRAINS'KYKH PERESELENTSIV V KANADI
0001572	UKR80	404	RVA		KOHUS'KA, NATALIIA, COMP. PERED BRAMOIU; NARYS ISTORII INSTYTUTU SV. VOLODYMYRA V TORONTI Z NAHODY
0001573	UKR80	404	RVA		(PROSVITA). 100-RICHCHA MATERI "PROSVITY"; NARYS ISTORII MATIRNOHO TOVARYSTVA "PROSVITY" TA CHLIAD
0001574	UKR80	404	RVA		IANDA, DARIIA (YANDA, DORI. UKRAINS'KA ZHINKA NA USLUHAKH SVOHO NARODU
0001575	UKR80	404	RVA		(INSTYTUT IM.PETRA MOHYLY,. IUVILEINA KNYHA 25-LITTIA UKRAINS'KOHO INSTYTUTU IM.P.MOHYLY V SASKATUNI,
0001576	UKR80	404	RVA		WORLD CONGRESS OF FREE UKR. CAPTIVE UKRAINE CHALLENGE TO THE WORLD'S CONSCIENCE
0001446	WORLAF	404	FAO		BOVIS, H. EUGENE. JERUSALEM QUESTION

ORDER NUMBER	VENDOR CODE	DEALER INVOICE NUMBER	STATUS WKS.	STATUS CODE	REC CODE	AUTHOR	TITLE
0001615	UKRBO		2	501	RVA	KOLENS'KA, LIUBOV.	PAVLIV TRIIUMF; ZBIRKA NOVEL'
0001616	UKRBO		2	501	RVA	OSTROMYRA, MARIIA.	LEMKIVSHCHYNA V OHNI; POVIST'

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SOCIETE D'ETUDES ET DE PUBLICATIONES ECONOMIQUE
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0408	AMAJUJ	AMERICAN ASSOCIATION OF JUNIOR COLLEGES
0410	AMALAW	AMERICAN ASSOCIATION OF LAW LIBRARIES
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0441	AMASIT	AMERICAN ASSOCIATION OF TEACHERS OF ITALIAN
0442	AMAMDF	AMERICAN ASSOC. ON MENTAL DEFICIENCY
0443	AMAWOB	AMERICAN ASSOCIATION OF WORKERS FOR THE BLIND
0446	AMASTR	AMERICAN ASTRONAUTICAL SOCIETY
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0452	AMAVPU	AMERICAN AVIATION PUBLICATIONS
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0457	AMBANT	AMERICAN BANKERS ASSOCIATION
0460	AMBARA	AMERICAN BAR ASSOCIATION
0470	AMBIBA	AMERICAN BIBLIOGRAPHIC SERVICE
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0486	AMCHEM	AMERICAN CHEMICAL SOCIETY
0487	AMCONS	AMERICAN CONGRESS ON SURVEYING & MAPPING
0488	AMCHOR	AMERICAN CHORAL FOUNDATION

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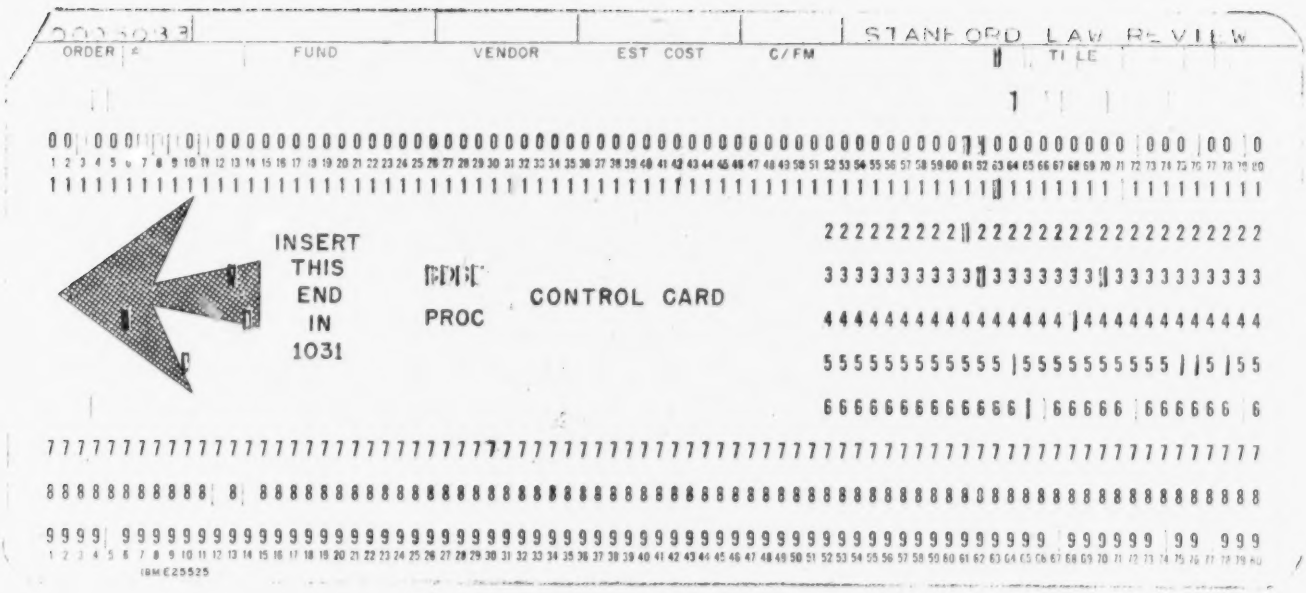
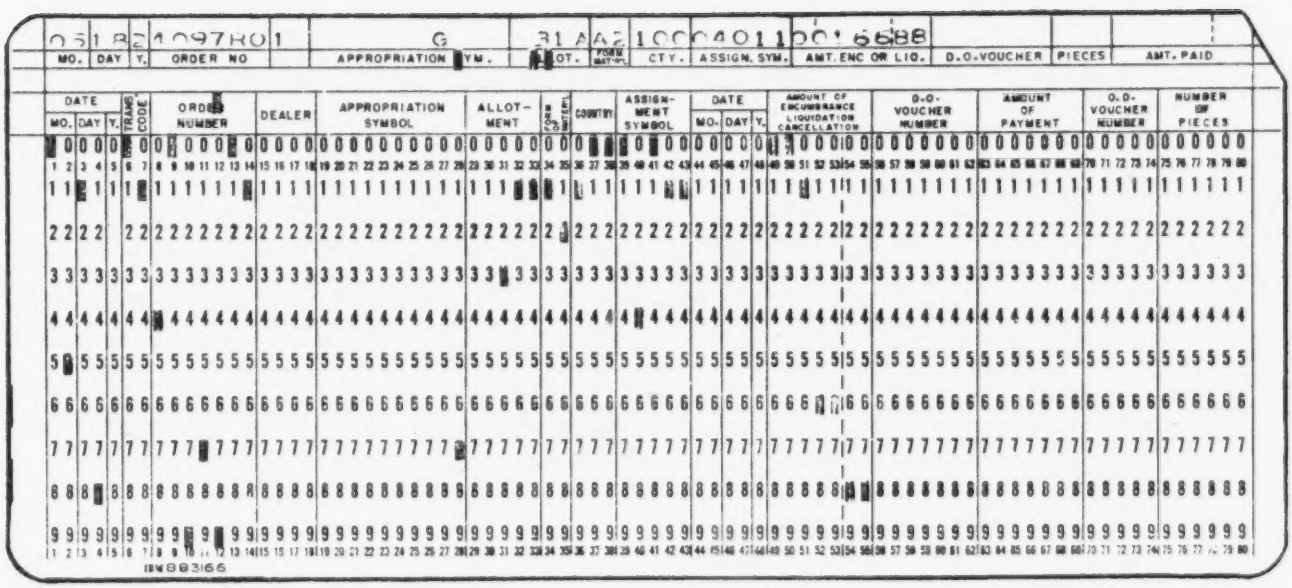
PROCESS CONTROL CARD



ENCUMBRANCE CARD



H. Summary of Computer Programs

Figures 8 and 9 illustrate the computer processing capabilities that were developed for Task 2 of the Order Division Automated System. The completion of Task 2 represents the successful automation of the preparation and printing of regular and new continuation orders, the establishment and maintenance of various computer files containing data to assist in order preparation and placement as well as the provision of supplemental information for Order Division reports, and the establishment and maintenance of a permanent computer file of all orders placed.

The major operations performed by the system are input processing, file processing, and output processing. However, the completion of Task 2 represents the development of these operations only as required in automating the order preparation process, permanent retention of bibliographic data and, in-process control of materials. Full development of fiscal and continuation operations, as specified in the Order Division Design Report, will occur during the completion of Tasks 3 and 4.

The basic input to the system is the ATS input tape file ATSAR3Q. This tape file contains records of orders prepared by the Order Preparation Section since the last operation cycle of the system and file updates and deletes. In addition, program control information is provided via User Optional System Control Cards (CARDFILE).

The user Optional System Control Cards are received by IPCNTRL which produces system messages in an in-process record format (IPR) and

sets various flags for the Input Process. IPCNTRL calls IPREC which reads the ATSAR3Q file, determines what type of record it has and formats it into a modified IPR. New orders are assigned order numbers and then IPREC calls the appropriate input editor modules to process the records.

IPED1011 checks new orders for valid format and data and then builds IPR's. IPED 1061 accepts Vendor Directory File updates and updates the file. When a full Directory listing is requested by the user, IPED 1061 produces the Vendor cross-reference file. It also formats and builds IPR's for all new or changed Directory entries for production of the Vendor Directory Supplement.. IPED 2060 accepts all System Tables File updates and deletes and updates the appropriate System Table. IPED 2011 accepts all PBF updates, checks for valid format and data and builds IPR's. IPDISP dispatches all good IPR s to IPSORTQ1 and all diagnostic IPR s to OPSORTQ1.

Program ORD1030A is an on-line program that accepts status updates from the IBM 1031 Data Collection Terminals. It formats the records into IPR s and transmits them to JDWSORT2.

IPSORTQ1 and JDWSORT2 are the input files to SORT1 where they are concatenated and sorted by the standard OS sort. OPSORTX is then used to strip off the sort keys and place the records onto FPINQUE.

FPINQUE is the input file to the File Processor. FPANALY accepts the IPR s from FPINQUE and analyses each record to determine what course of action needs to be taken. It then calls the appropriate program to perform the required processing. FPRMIX is called to build

new and update PBF records. Other programs besides FPANALY use FPRMIX to access PBF records on the field level. FPREVIX, depending on the report options supplied by the user on 0136 Optional System Control Cards, reads the PBF sequentially, track by track, and passes record IDs for each specified report to program FPEXT. FPREVIX also updates the time-in-status field for each record in the PBF. FPME and FPEXT, using the record IDs received from FPREVIX and FPRMIX, create IPRs and pass them to program FPDISP. FPME, based on a set of specified filing rules, constructs IPRs with standardized abbreviations for certain elements of the Author and Title fields. FPDISP assigns a sort key to each IPR and passes the IPRs to OPSORTQ2. FPFILES is used to locate, read, write, and delete records from any system BDAM, Basic Direct Access Method, file (PBF only for Task 2) and also to maintain file organization.

OPSORTQ1 and OPSORTQ2 are input files to SORT2 where they are concatenated and sorted by the standard OS sort. OPSORTX is then used to strip off the sort keys and place the records onto OPINQUE.

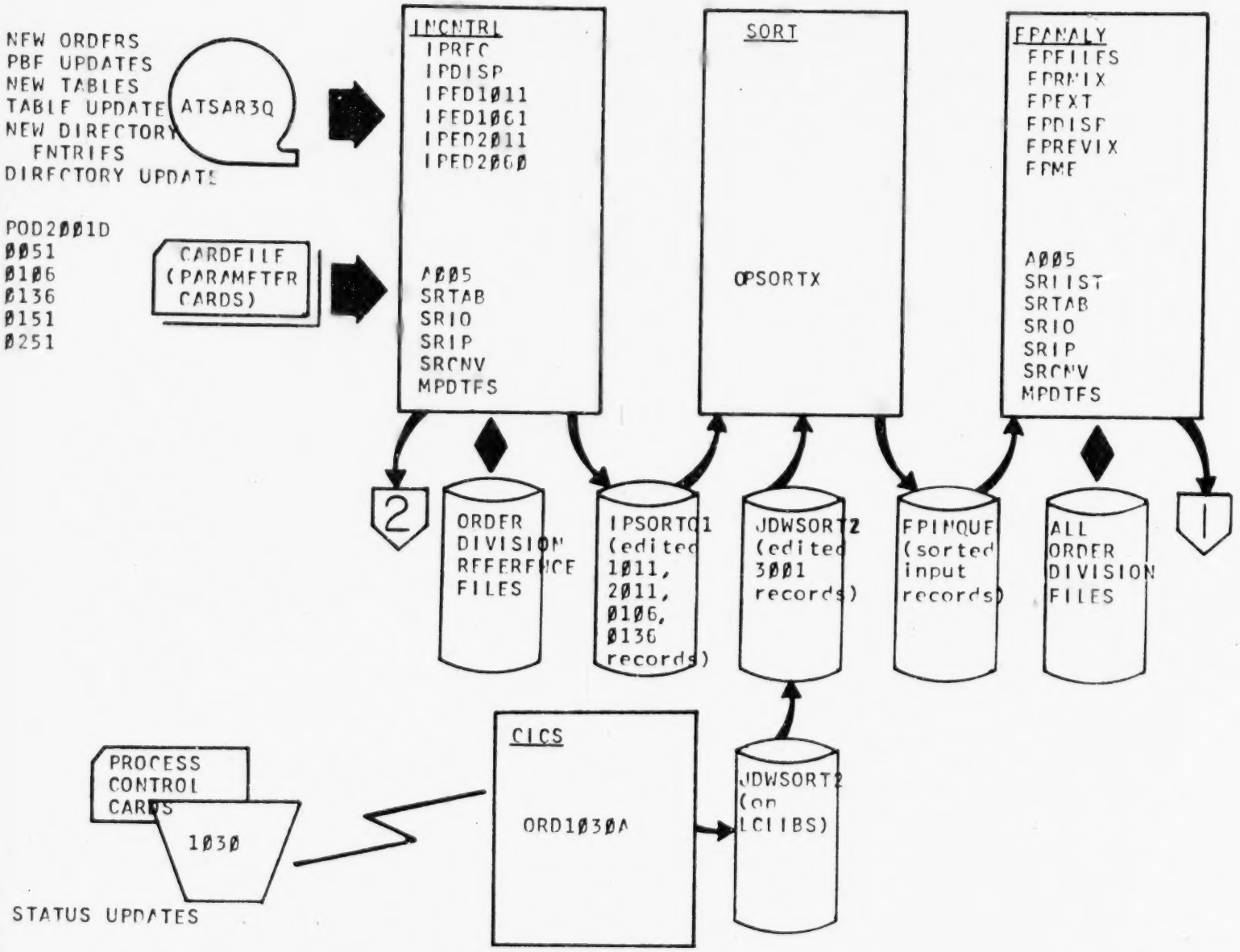
OPINQUE is input to the Output Processor. OPMON accepts records from OPINQUE and depending on the record ID calls an appropriate output editor module to process the record. OPMON also puts out on tape JCL for any punched output going to PUNCHQ and at end-of-file puts out messages on the IBM 1403 printer to the computer operator specifying all output forms and carriage control tapes required for all PRINTQ data. OPED5001 is used to produce the Jogging List, Delayed Processing

Report-Materials Received and Not Yet Paid, and Delayed Processing Report-Materials Paid and Not Yet Received. OPED5028 produces the In-Process Lists, both full and supplement, in author, title and order number sequence, and the Monthly Archive-Cumulative and Annual Archive Reports. Vendor Directory Listings are produced by OPED5Ø29 and OPED5033 produces the Order Status Change Report. Follow-ups, Cancellations, Dealer Slips, and Purchase Orders are produced by OPED5122. OPED5141 produces the Encumbrance File Copy. OPED5229 is used to produce System Table Listings and OPED5230 puts out all Error Diagnostics. OPED8003 produces Encumbrance Card records and OPED8101 produces Process Control Cards. When the output edit modules have completed their processing, OPTRANS is called to transmit the print records to PRINTQ and punch records to PUNCHQ.

PRINTQ is input to LCPRINT which prints all printed products and PUNCHQ and JCLPCH are input to POD2P01D which punches all punched products.

There are nine utility programs within the system that can be called by any other programs to perform specific routines. They are: AØØ5, which converts time and date data in an OS format to a binary format used by the system; SRTAB is used to access System Table records at the field level; additions, retrievals and deletions are also handled through SRTAB; SRIP is used to access an IPR at the field level and to perform additions, replacements, retrievals, and deletions; SRIO performs all input/output operations on all files; SRCNV converts data

to and from various formats; OPERR will dump on the IBM 1043 printer in binary format any string of data when given a beginning and ending address; MVC#DATA is used to move date in character format to a print line without splitting a word; MPDTFS contains data control blocks (DCB's) for all files; and SRLIST is a subroutine with multiple entry points whose function is to service lists (tables) of data.



ORDER DIVISION PROCESSOR
PHASE 1 TASK 2

figure 8

ORDER DIVISION PROCESSOR
PHASE I TASK 2

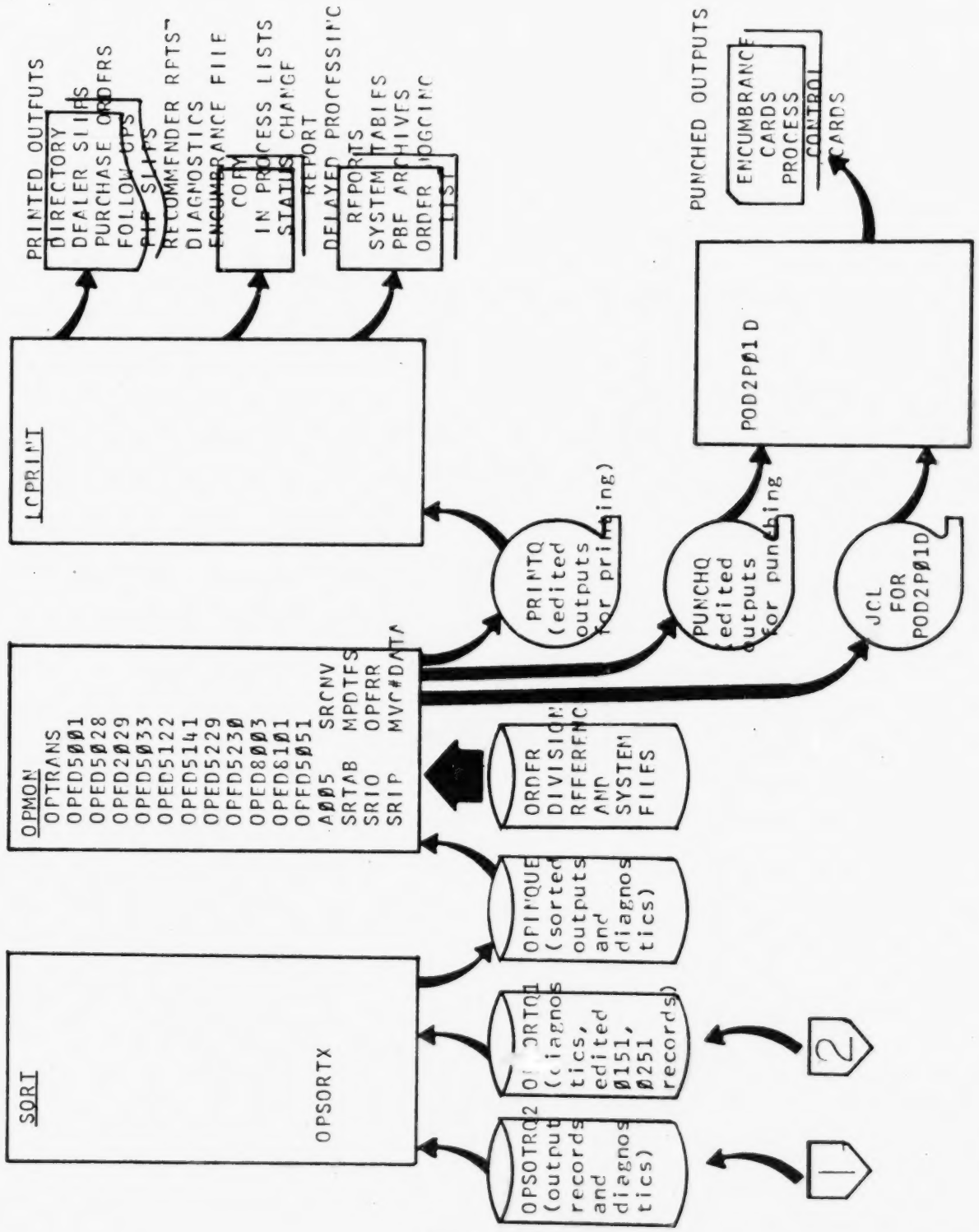


figure 9

I. File Development

1. Preliminary Bibliographic File

a. Creation of the File

The Preliminary Bibliographic File (PBF) is the master file of all order records for orders in process within the Order Division. A new file record is made for each new order entering the system. Order records remain in the PBF for their entire active (outstanding or in-process) life, after which they are placed in the PBF Archive. (PBF Archive records are identical to PBF records but they can no longer be retrieved or updated).

Changes to the file can be made by the user at the record and field level. Changes are input via ATS, according to directions in the Order Division Input Manual, and via the IBM 1030 Data Collection System, according to directions in the Order Division Users Guide for Task 2. These changes are effected by programs IPED2011 and FPRMIX for ATS input, and ORD1030A (on-line) and FPRMIX for 1030 input.

b. Format and Structure of the File

The format of the PBF record is illustrated in figure 10. The PBF is a direct access file of variable length records formatted with a three-byte key (order number) by which the records may be retrieved.

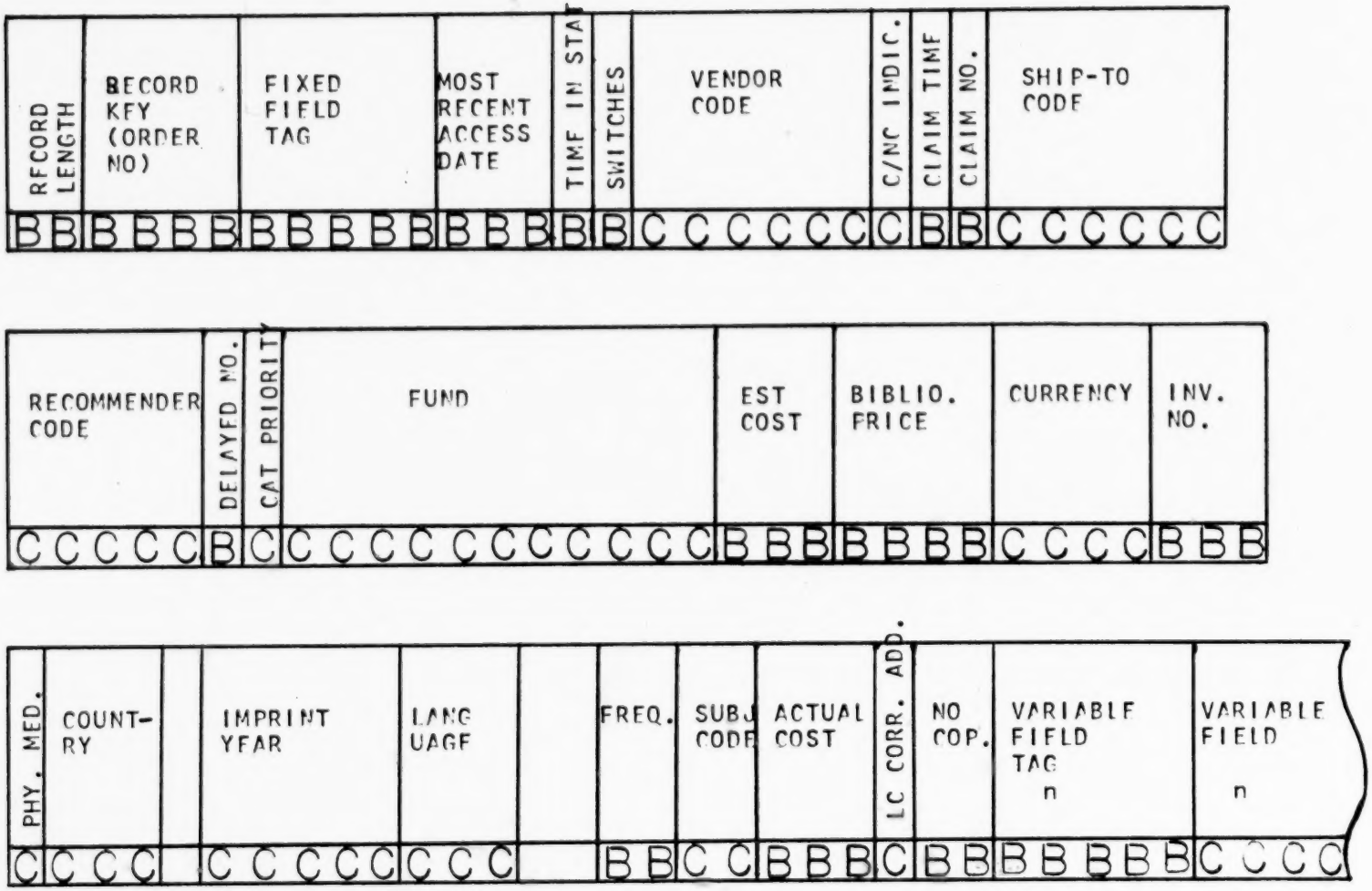
The general format of each record is:

bytes 1-2 record length

byte 3 file ID

bytes 4-6 record key (order number)

PRELIMINARY BIBLIOGRAPHIC FILE
RECORD LAYOUT


RECORD LENGTH
RECORD KEY (ORDER NO)
FIXED FIELD TAG
MOST RECENT ACCESS DATE
TIME IN STAT
SWITCHES
VENDOR CODE
C/NC INDIC.
CLAIM TIME
CLAIM NO.
SHIP-TO CODE
B B B B B B B B B B B B B B C C C C C C C B B C C C C C C
RECOMMENDER CODE
DELAYED NO.
CAT PRIORITY
FUND
EST COST
BIBLIO. PRICE
CURRENCY
INV. NO.
C C C C C B C C C C C C C C C C C C B B B B B B B C C C C B B B
PHY. MED.
COUNTRY
IMPRINT YEAR
LANGUAGE
FREQ.
SUBJ CODE
ACTUAL COST
LC CORR. ADD.
NO COP.
VARIABLE FIELD TAG n
VARIABLE FIELD n
C C C C C C C C C B B C C B B B C B B B B B B B B C C C C

B = BINARY
C = CHARACTER
MAXIMUM RECORD LENGTH = 2150 BYTES

Figure 10

bytes 7-88 fixed fields

bytes 89-end variable fields in Tag/data format

The maximum record length for a PBF record is 2150 bytes.

2. Vendor Directory File

a. Creation of the File

The current Directory Disk File consists of vendor and ship-to name and address information. These records are used in the Order Division System for correspondence, shipping, and paying purposes. The current size of the file is nearly 4000 entries but the projected growth rate will bring it to approximately 5000 entries.

The Directory File was created by the following sequential operation:

(1) The original manual files were edited, input via ATS, and de-queued on magnetic tape in ATS archive format.

(2) Program DIRFORM edited each vendor/ship-to entry and reformatted valid entries into the standard Directory record format. Invalid entries were listed for review, corrected, and resubmitted by the Order Division.

(3) Program DIRSORT sorted the formatted Directory records by the record key.

The programs above were developed solely to build the initial Directory File. During Task 2, program IPED1061 has been developed to add entries to the Directory and update existing entries in the Directory, while OPED5029 was written to selectively print the updated Directory.

The Vendor Directory File is used in producing the following reports in Task 2:

(1) Dealer Slips

(2) Purchase Orders

(3) Follow-ups

(4) Cancellations

(5) Encumbrance File copies

b. Format and Structure of the File

The format of the Directory File is illustrated in figure 11. Each Directory entry record has a fixed record length of 500 bytes and consists of the following fields:

(1) Record Key - entry type (vendor or ship-to) (1 byte) and Record key - vendor/ship-to code number (6 bytes)

(2) Delete flag (1 byte)

(3) Record length (2 bytes)

(4) Fixed field tag - previous segment length (1 byte), date identification number (2 bytes), field segment number (1 byte), and field segment length (1 byte).

(5) Fixed field data (17 bytes) - last access date, Master Continuation Run number, Standard Book-dealer Identification Number, remittance advice switch, and country code.

(6) Variable field tag(s) - 5 bytes

(7) Variable field(s) data

(8) Trailer byte

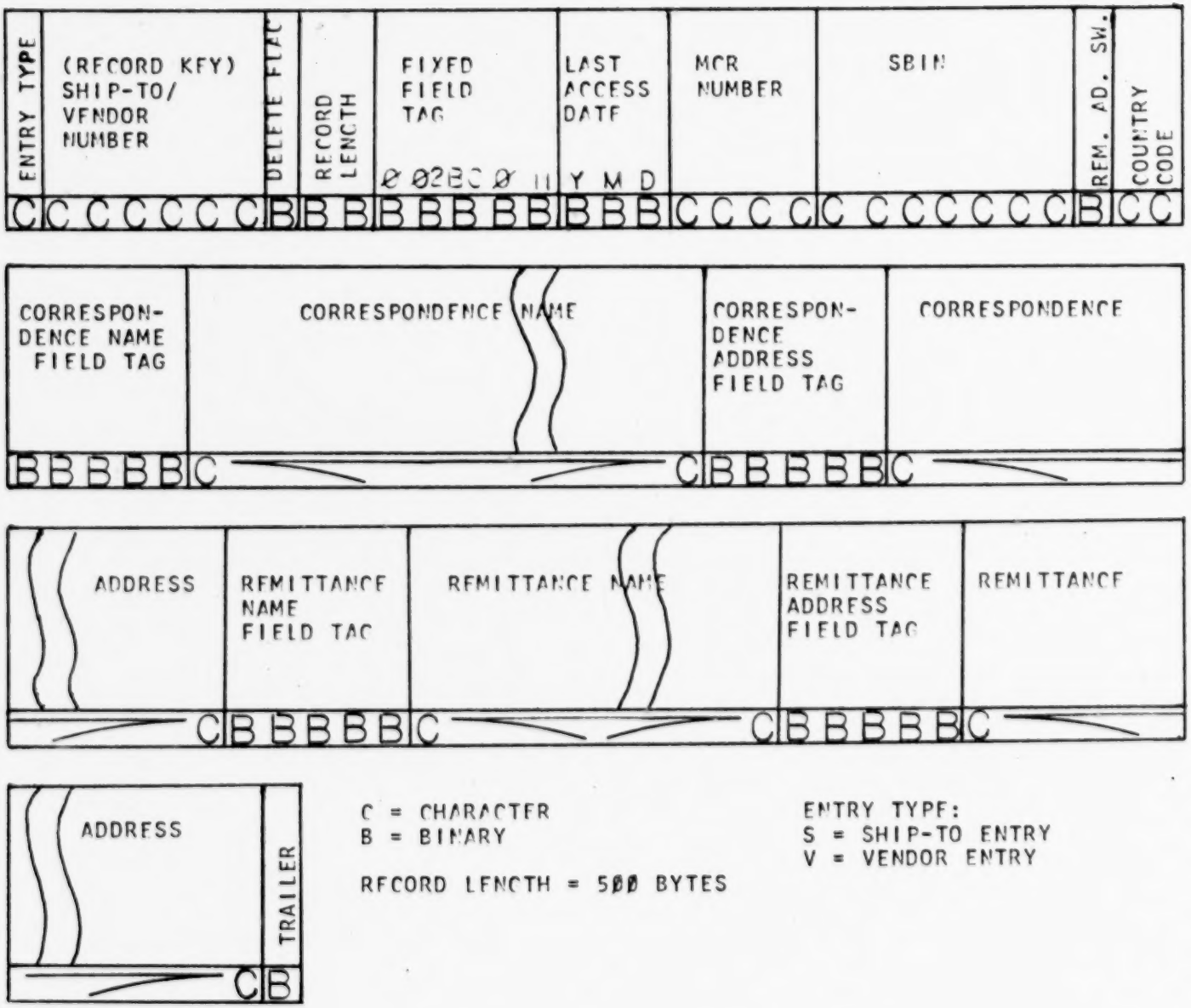

ENTRY TYPE
(RECORD KEY) SHIP-TO/ VENDOR NUMBER
DELETE FLAG
RECORD LENGTH
FIXED FIELD TAG
Ø Ø2BC Ø 11
LAST ACCESS DATE
Y M D
MCR NUMBER
SBIN
REM. AD. SW.
COUNTRY CODE
C C C C C C C B B B B B B B B B B C C C C C C C C C C C C C C C B C C
CORRESPON-DENCE NAME FIELD TAG
CORRESPONDENCE NAME
CORRESPON-DENCE ADDRESS FIELD TAG
CORRESPONDENCE
B B B B B C C B B B B C
ADDRESS
REMITTANCE NAME FIELD TAC
REMITTANCE NAME
REMITTANCE ADDRESS FIELD TAG
REMITTANCE
C B B B B B C C B B B B C
ADDRESS
TRAILER
C B
C = CHARACTER
B = BINARY
RECORD LENGTH = 500 BYTES
ENTRY TYPE:
S = SHIP-TO ENTRY
V = VENDOR ENTRY

figure 11

64

DIRECTORY RECORD FORMAT

The structure of the Directory File using the IBM Indexed Sequential Access Method (ISAM), permits entries to be retrieved sequentially or randomly by the record key.

3. System Table File

a. Creation of the File

The initial table data for the file were input via ATS and dequeued onto tape in ATS archive format. This data was then processed by a series of three programs (TABFORM, TABSORT, TABLOAD) which converted the table data into an internal format, sorted the data in ascending sequence by entry key and loaded them onto tape and disk. See figure 12.

The programs TABFORM, TABSORT and TABLOAD were developed solely to build the initial Tables File. Program IPED2060 has been developed to add to or update entries in the Tables File. The user may change the Tables File at the table, record or field level by inputting changes via ATS. Complete instructions for changing the Tables File are contained in the Order Division ATS Input Manual. Program OPED5229 has been written to print selectively Tables File data.

b. Format and Structure of the File

The System Tables File has a fixed length format (500 characters per record) in which records are functionally grouped into 18 individual tables. Each record corresponds to a table entry and is accessible by table ID and entry key. The file is maintained on disk and is an Indexed Sequential file. The file may be accessed sequentially or directly by individual entries. The tables are used by various programs throughout the system to facilitate processing.

CREATION OF SYSTEM TABLES

figure 12

A listing of individual table names contained in the Table File, along with their table ID, entry key and list of data elements, is illustrated in figure 13. Any data that can be put into tabular form can be stored in the Tables File either as an individual table or as a permuted table (searched by more than one key). The user may request a listing of any or all of the tables through the use of a System Control Card. The format and column headings may also be specified in a Print Format record which is stored in the table. One Print Format record is allowed for each functional table. Figure 14 illustrates a standard table entry record layout and figure 15 illustrates a Print Format record layout.

SYSTEM TABLES FILE

FUNCTIONAL TABLES

figure 13

TABLE NAME	ID	ENTRY KEY	DATA ELEMENTS
Vendor Instructions	94	Vendor instruction indicator	1) Vendor instruction indicator. 2) Vendor instruction.
Fund	127	Fund code	1) Fund code.
Country/language	128	Numeric country code	1) Numeric country code. 2) Alphabetic country code. 3) Country name. 4) Language code. 5) Language. 6) Currency code.
**** SORT KEYWORD TABLES ****			
Danish	140	Keyword	1) Keyword. 2) Standard abbreviation.
Dutch	141	Keyword	1) Keyword. 2) Standard abbreviation.
English	142	Keyword	1) Keyword. 2) Standard abbreviation.
French	143	Keyword	1) Keyword. 2) Standard abbreviation.
German	144	Keyword	1) Keyword. 2) Standard abbreviation.
Italian	145	Keyword	1) Keyword. 2) Standard abbreviation.
Norwegian	146	Keyword	1) Keyword. 2) Standard abbreviation.
Polish	147	Keyword	1) Keyword. 2) Standard abbreviation.

TABLE NAME	ID	ENTRY KEY	DATA ELEMENTS
Portuguese	148	Keyword	1) Keyword. 2) Standard abbreviation.
Russian	149	Keyword	1) Keyword. 2) Standard abbreviation.
Spanish	151	Keyword	1) Keyword. 2) Standard abbreviation.
Swedish	152	Keyword	1) Keyword. 2) Standard abbreviation.
**** END SORT KEYWORD TABLES ****			
Data Element	800	Data ID	1) Data ID. 2) Output symbolic. 3) Input length. 4) File coding format. 5) File coding length. 6) Default value.
Number blocks	810	Data ID	1) Data ID. 2) Lower limit. 3) Next available number. 4) Upper limit.

**** SORT KEYWORD TABLES - contain standard abbreviations for common words in specified languages.

figure 13 (cont.)

SYSTEM TABLES RECORD FORMAT

STANDARD RECORD

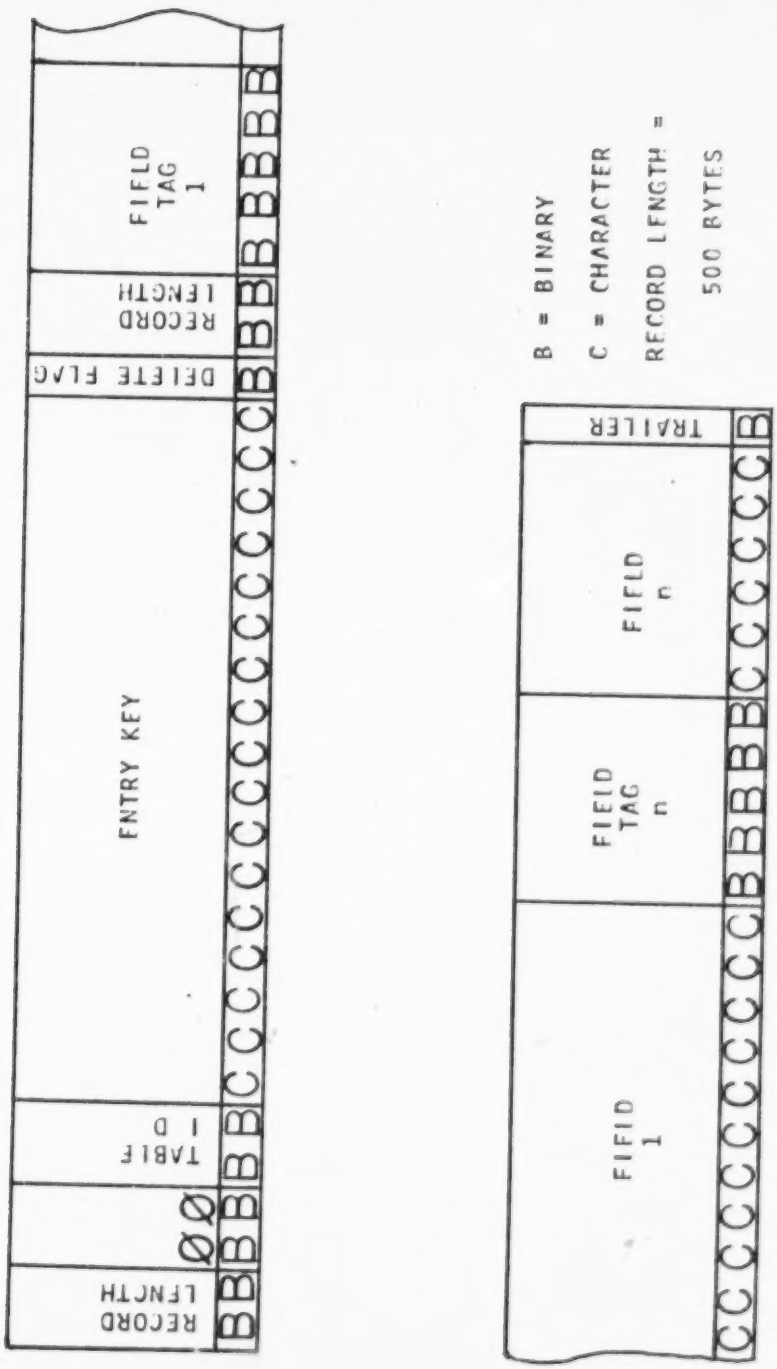


figure 14

SYSTEM TABLES RECORD FORMAT

PRINT FORMAT RECORD

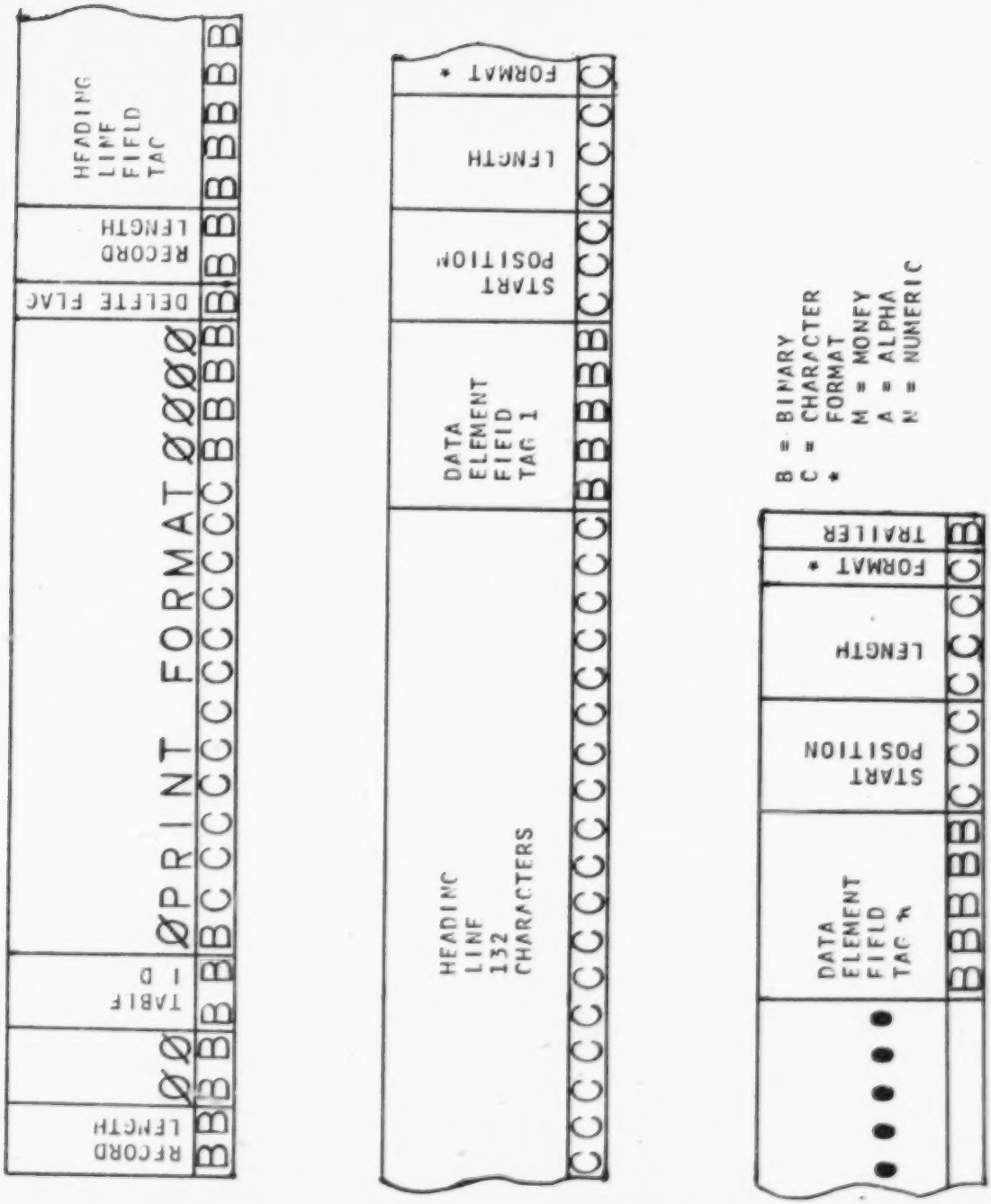


figure 15

J. Data Processing Equipment Required

1. Computer Equipment

1 IBM 370/155	Processing Unit
4 IBM 2401-2	Tape Units
1 IBM 1052-7	Console
2 IBM 2314	Disk Storage
2 IBM 2316	Disk Packs
1 IBM 1403	Printer
1 IBM 2540	Card Reader-Punch
1 IBM 1416	Print Train (QN)
1 IBM 2501	Card Reader
4 IBM 2741	Terminals
3 IBM 1031	Terminals

and the associated control units for these components of the IBM 370/155

2. Peripheral Equipment

a. Punched Card Interpreter

b. Decollator

c. Burster

d. Photoreproduction reducer and collator (Addressograph-Multigraph)

III. PLANS FOR REMAINING TASKS

Task 3 will automate the fiscal accounting done in the Order Division. This will involve implementing detailed procedures for recording fiscal information in machine-readable form and programming the computer to do as much as possible of the accounting work from that point on. The fiscal data will be recorded using IBM 1050 Data Communication Terminals on-line to the 370 Computer so that programs can do calculations and error checking immediately, returning answers and diagnostic messages to the 1050 operator so he can verify and correct the information while the source records are at hand. In addition to saving time, this immediate processing and verification of the fiscal records will help prevent errors from entering the accounts. All required accounting reports will be prepared by the computer programs developed in Task 3.

It should be noted here that the Order Division master files will not be updated on-line. Incoming data are edited and verified on-line, and calculations are done with the fiscal data, but the actual file maintenance is performed in batch mode overnight.

Task 4 involves writing a system of programs to permit the Order Division Master Continuation File to be handled as part of the Order Division Automated System. The main task will be to establish an Extended Order File and to program for the unique characteristics of continuations. In this way, continuation orders and file up-dates will

be handled as an integral part of the daily processing cycle. All required continuation reports will be prepared by the computer programs developed in Task 4.